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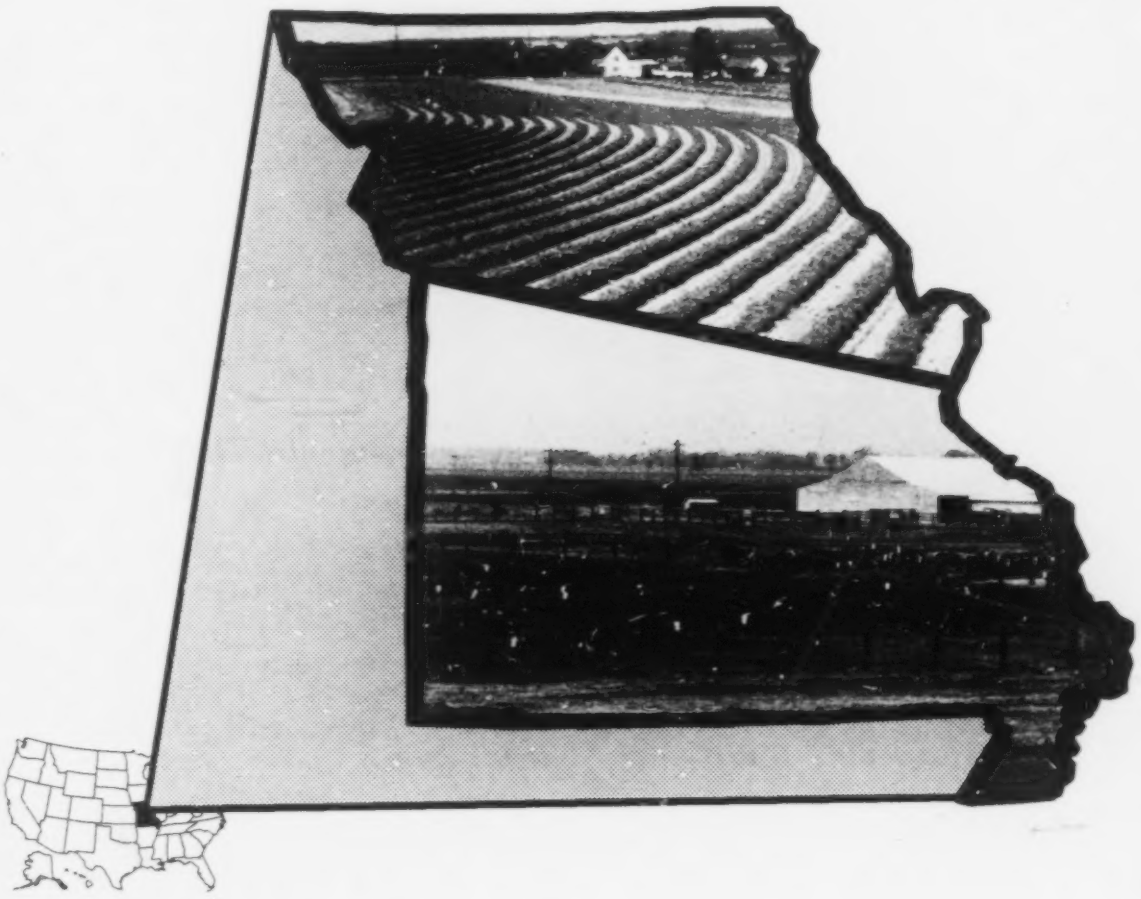
1989
MISSOURI
FARM FACTS



MISSOURI DEPARTMENT OF AGRICULTURE

MISSOURI AGRICULTURAL STATISTICS DISTRICTS WITH 1988 PRECIPITATION BY COUNTY *

STATE AVERAGE - 34.31 inches

* Precipitation data represents one location per county and is furnished by the Agricultural Stabilization and Conservation Service county offices.

MISSOURI

FARM FACTS

Compiled by

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June 1989

EXECUTIVE OFFICE
STATE OF MISSOURI

JOHN ASHCROFT
GOVERNOR

Greetings:

Last year in Missouri Farm Facts I remarked about the importance of agriculture to our state's economy. This year it is important to stress and remember that Missouri farmers are - by tradition and in reality - the backbone of our agricultural industry.

Our farmers have had their share of good times, but they are not strangers to adversity. In 1988 a drought seared the northern third of Missouri. Most producers bounced back in 1989, showing the same optimism they demonstrated following the droughts of 1980, 1983 and 1984.

Technology has had a profound effect on agriculture. Practices that were once an art have become a science. These developments have led to efficient production and better quality products. Farming has become a highly scientific, capitalized business and the farmer has become an executive in denim.

Nevertheless, there is one area in which science has been stymied - the weather. Too dry, too wet, too hot, too cold - all are timeless risks a producer must face each season.

The impact of science and weather on agriculture will become evident when you interpret the data in this publication.

This 1989 edition of Farm Facts provides information on Missouri's complex and diverse agricultural industry. It is the result of a cooperative effort between the Missouri Department of Agriculture and the U.S. Department of Agriculture that has been in place since 1918.

Thank you for your interest in Missouri agriculture.

Sincerely,

John Ashcroft

JOHN ASHCROFT
GOVERNOR OF MISSOURI

P.O. Box 720 Jefferson City, Missouri 65102

DEPARTMENT OF AGRICULTURE
STATE OF MISSOURI
JEFFERSON CITY

JOHN ASHCROFT
GOVERNOR

CHARLES E. KRUSE
DIRECTOR

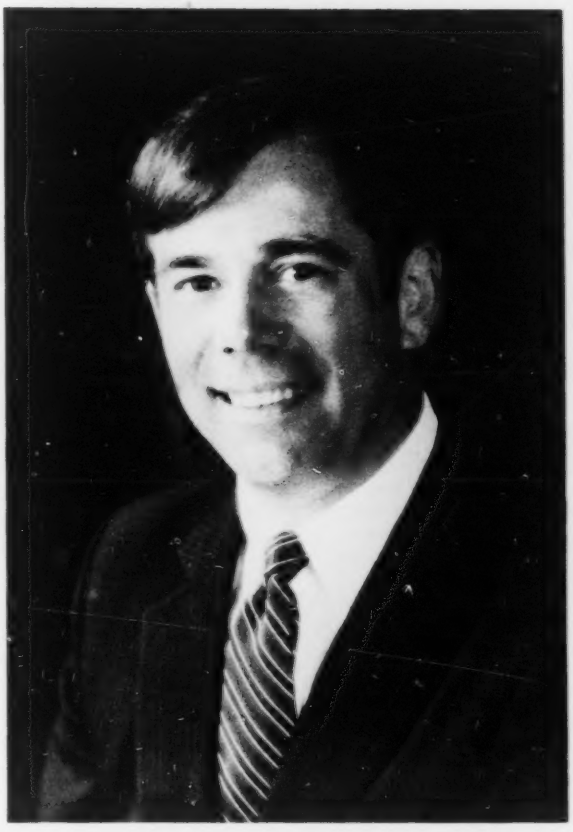
As Director of Agriculture, it's a pleasure to present the 1989 edition of Missouri Farm Facts, the most complete 1988 statistical survey of Missouri's diverse agriculture sector.

Agriculture today is a business that requires the use of statistical data to allocate resources, calculate risk factors, track trends, and project the future of agriculture. To prepare production plans and marketing strategies, producers need detailed data on production levels and current prospects for commodities. Agribusinesses use the data to gauge input costs, storage, transportation and processing needs. In addition, the data serves as a foundation in the development of government programs and policies affecting agriculture.

An interesting tale unfolds through the raw numbers in this publication. Missouri agriculture in 1988 was a year of sharp contrasts. The north was dry; the south was wet. A bin-bursting wheat crop was followed by corn, sorghum and soybean crops that stood against the brink of disaster during much of the growing season. Variations in yields were extreme, even on individual farms. Pastures were sparse and hay production was down. When the season had ended the final tallies revealed that Missouri's agriculture sector had made it through another period of adversity. There were, of course, individual setbacks. But generally higher prices offset reduced production and pushed the total value of production above the 1987 level.

This publication would not be possible without the cooperative efforts of many Missourians who provide the information and conduct the research. I commend the thousands of Missouri farmers and agribusinesses who responded voluntarily to numerous agricultural surveys. I am indeed grateful for their efforts.

I hope the information in the 1989 Missouri Farm Facts will be of benefit to you. I will welcome any comments or suggestions concerning this publication.



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FACTS FOR AGRICULTURE

Agriculture plays a key role in the well being of Missouri's economy. Also the State's agricultural output has a significant impact on the total U.S. farm economy. The data in this bulletin will show that Missouri's agriculture is both abundant and diverse. Agricultural commodities originating in this state range from the corn and soybeans produced on the farms of the north to the cotton and rice produced on the delta lands of the southeast. The rolling hills of the Ozarks support substantial beef and dairy enterprises.

There were 113,000 farms in Missouri in 1988. These farms produced 3.8 billion dollars of farm marketings of which nearly 1.1 billion dollars went overseas as farm exports. Following are some other facts about Missouri's agriculture in 1988.

* **SEVEN** percent of the **U.S. SOYBEANS** are grown in Missouri.
* **SEVEN** percent of the **U.S. GRAIN SORGHUM** is grown in Missouri.
* **SIX** percent of the **U.S. CATTLE OPERATIONS** are in Missouri.
* **SIX** percent of the **U.S. TURKEYS** are raised in Missouri.
* **FIVE** percent of the **U.S. HOG OPERATIONS** are in Missouri.
* Missouri is the **SECOND** leading state in **BEEF COWS** as of Jan. 1, 1989.
* Missouri is the **SECOND** leading state in **HAY PRODUCTION** (excluding alfalfa).
* Missouri ranks **SIXTH** in **RICE PRODUCTION.**
* Missouri is the **SEVENTH** leading state in **ALL WHEAT PRODUCTION.**
* Missouri ranks **SEVENTH** in **CORN PRODUCTION.**
* Missouri ranks **TENTH** in **COTTON PRODUCTION.**
* Missouri is the **ELEVENTH** leading state in **MILK PRODUCTION**.
* Missouri ranked **TWELFTH** in **RED MEAT PRODUCTION** as over 900 million pounds of red meat went through Missouri's slaughter plants in 1988.

MISSOURI'S RANK AMONG STATES

1988

	RANK	UNIT	PRODUCTION	PERCENT OF U.S. TOTAL
Crops				
Hay, excluding alfalfa	2	tons	4,320,000	7.5
Sorghum grain	4	bushels	38,070,000	6.6
Soybeans	5	bushels	109,980,000	7.1
Winter wheat	5	bushels	77,500,000	5.0
Rice, all	6	hundredweight	4,182,000	2.6
Concord grapes	7	tons	1,200	0.3
Corn for grain	7	bushels	153,520,000	3.1
Hay, all	7	tons	5,160,000	4.1
Grapes, all	10	tons	3,250	0.1
Cotton, all	10	bales	310,000	2.0
Sorghum silage	10	tons	85,000	1.6
Tobacco, all	13	pounds	4,100,000	0.3
Peaches	18	pounds	14,000,000	0.9
Apples (commercial)	19	pounds	56,000,000	0.6
Corn silage	21	tons	1,200,000	1.5
Alfalfa hay	26	tons	840,000	1.2
Oats	27	bushels	1,440,000	0.7
Livestock & Livestock Products				
Cattle operations	2	number	87,000	6.3
Calf crop	2	head	2,050,000	5.0
All cows 1/	2	head	2,230,000	5.1
Beef cows 1/	2	head	2,004,000	6.0
Beef cow operations	2	number	70,000	7.2
Hog operations	3	number	17,000	5.1
Turkeys raised	5	head	16,500,000	6.8
Hogs & pigs 2/	6	head	2,850,000	5.2
Milk cow operations	6	number	9,000	4.1
Cattle & calves 1/	7	head	4,500,000	4.5
Amerian cheese production	7	pounds	75,593,000	2.7
Butter production	9	pounds	14,400,000	1.2
Milk cows 1/	10	head	226,000	2.2
Milk production	11	pounds	3,000,000,000	2.1
Red meat production	12	pounds	935,360,000	2.4
Sheep operations	12	number	3,500	3.0
All chickens 3/	14	head	7,900,000	2.2
Egg production	14	millions	1,526	2.2
Ice cream (hard & soft) production	18	gallons	18,272,000	2.1
Cattle & calves on feed 1/	20	head	95,000	0.9
Wool production	20	pounds	777,000	0.9
Sheep & lambs 1/	22	head	125,000	1.2
Honey production	23	pounds	2,400,000	1.1

1/ Inventory on hand January 1, 1989.
2/ Inventory on hand December 1, 1988.
3/ Inventory on hand December 1, 1988 (excludes commercial broilers).

POPULATION: BY COUNTIES, Missouri, 1987 1/

County	1987	1980	1987/80 Percent Change 2/	County	1987	1980	1987/80 Percent Change 2/
Adair	23,600	24,870	(5.1)	Macon	16,300	16,313	0.1
Andrew	14,900	13,980	6.8	Madison	11,300	10,725	5.3
Atchison	7,800	8,605	(9.3)	Maries	8,300	7,551	9.8
Audrain	25,300	26,458	(4.2)	Marion	28,300	28,638	(1.3)
Barry	27,000	24,408	10.8	Mercer	4,100	4,685	(13.1)
Barton	11,500	11,292	1.5	Miller	21,200	18,539	14.3
Bates	15,600	15,873	(1.4)	Mississippi	15,400	15,726	(2.3)
Benton	13,000	12,183	7.0	Moniteau	12,700	12,068	5.3
Bollinger	10,900	10,301	5.4	Monroe	9,400	9,716	(3.2)
Boone	107,500	100,376	7.1	Montgomery	11,400	11,537	(1.3)
Buchanan	85,300	87,888	(3.0)	Morgan	15,900	13,807	15.0
Butler	38,700	37,693	2.6	New Madrid	21,800	22,945	(5.2)
Caldwell	8,100	8,660	(6.3)	Newton	43,800	40,555	8.0
Callaway	32,200	32,252	(0.2)	Nodaway	20,900	21,996	(5.0)
Camden	26,300	20,017	31.6	Oregon	9,800	10,238	(4.0)
Cape Girardeau	61,400	58,837	4.3	Osage	12,200	12,014	1.4
Carroll	11,200	12,131	(7.8)	Ozark	8,900	7,961	11.6
Carter	5,700	5,428	5.9	Pemiscot	23,700	24,987	(5.3)
Cass	59,200	51,029	16.0	Perry	16,900	16,784	0.8
Cedar	12,300	11,894	3.2	Pettis	36,100	36,378	(0.7)
Chariton	9,800	10,489	(6.6)	Phelps	34,400	33,633	2.3
Christian	28,700	22,402	28.2	Pike	16,700	17,568	(4.7)
Clark	8,100	8,493	(4.9)	Platte	53,000	46,341	14.5
Clay	148,500	136,488	8.8	Polk	20,800	18,822	10.3
Clinton	16,400	15,916	2.9	Pulaski	43,500	42,011	3.5
Cole	64,200	56,663	13.3	Putnam	5,400	6,092	(11.2)
Cooper	15,300	14,643	4.7	Ralls	8,900	8,984	(0.9)
Crawford	19,500	18,300	6.6	Randolph	26,100	25,460	2.3
Dade	7,400	7,383	0.7	Ray	22,300	21,378	4.3
Dallas	13,000	12,096	7.1	Reynolds	6,600	7,230	(9.1)
Daviess	8,400	8,905	(5.6)	Ripley	12,800	12,458	3.1
DeKalb	8,000	8,222	(2.8)	St. Charles	193,100	144,107	34.0
Dent	14,200	14,517	(2.5)	St. Clair	8,400	8,622	(2.4)
Douglas	12,300	11,594	5.7	St. Francois	45,100	42,600	5.8
Dunklin	34,300	36,320	(5.5)	St. Louis	998,300	974,180	2.5
Franklin	79,600	71,233	11.8	Ste. Genevieve	16,200	15,180	6.6
Gasconade	13,600	13,181	3.1	Saline	24,400	24,913	(2.2)
Gentry	7,200	7,887	(9.1)	Schuyler	4,400	4,979	(11.5)
Greene	200,200	185,302	8.1	Scotland	5,000	5,415	(7.1)
Grundy	10,900	11,959	(8.5)	Scott	40,400	39,647	2.0
Harrison	9,000	9,890	(8.7)	Shannon	7,900	7,885	(0.3)
Henry	19,900	19,672	1.0	Shelby	7,200	7,826	(7.7)
Hickory	7,200	6,367	13.8	Stoddard	28,500	29,009	(1.9)
Holt	6,400	6,882	(7.1)	Stone	18,600	15,587	19.3
Howard	9,800	10,008	(2.6)	Sullivan	6,600	7,434	(10.9)
Howell	30,300	28,807	5.1	Taney	25,000	20,467	22.0
Iron	11,000	11,084	(0.6)	Texas	21,400	21,070	1.3
Jackson	638,000	629,266	1.4	Vernon	19,700	19,806	0.4
Jasper	90,100	86,958	3.7	Warren	19,000	14,900	27.2
Jefferson	166,500	146,183	13.9	Washington	19,200	17,983	6.7
Johnson	38,100	39,059	(2.4)	Wayne	11,900	11,277	5.2
Knox	4,900	5,508	(11.1)	Webster	23,000	20,414	12.9
Laclede	26,800	24,323	10.2	Worth	2,700	3,008	(10.4)
Lafayette	30,600	29,931	2.3	Wright	16,700	16,188	3.3
Lawrence	30,500	28,973	5.1				
Lewis	10,400	10,901	(4.4)	St. Louis City	422,200	452,801	(6.7)
Lincoln	27,000	22,193	21.8				
Linn	14,300	15,495	(7.4)				
Livingston	15,000	15,739	(4.6)				
McDonald	16,200	14,917	8.4	**STATE**	**5,103,000**	**4,916,762**	**3.8**

Missouri Population and Census Newsletter, Missouri State Census Data Center.

1/ 1987 figures are as of July 1, 1987. 1980 figures are as of April 1, 1980 (CENSUS).

2/ Number in ( ) denote decreases in population. 1986 county estimates rounded to the nearest hundred. Percentages based on unrounded numbers.

CROPS

1988 Missouri Crop Summary

by David Emslie

Dry weather during the 1988 crop season caused sharp declines in the yield and production of Missouri's corn, soybean and hay crops, while other crops were affected to a lesser extent. The dry spring enabled farmers to plant corn as early as the record pace of 1987, with over 90 percent planted by May 15. Most single-crop soybeans were in the ground by early June, also a record pace. Planting of all crops was completed well ahead of normal.

Rainfall in the state during 1988 averaged 34.27 inches, about 4.9 inches below normal. However, rain during the growing season was more severely limited, averaging only 1.64 inches in June, 3.83 inches in July and 3.63 inches in August. Crops in the northern third of the state suffered the most from the drought, with yields being cut and more acreage being used for silage or abandoned. County rainfall for the year varied from 14.60 inches in Worth County to 62.61 inches in Dunklin County.

Crops matured early due to early planting, and favorable weather permitted harvesting to proceed rapidly. The corn harvest was nearly complete by November 1, while 95 percent of the soybeans and virtually all the sorghum were harvested by mid-November. Frequent fall rains in the Bootheel delayed completion of cotton and some late soybean harvesting until December.

SOYBEANS: The 1988 production totaled 110 million bushels, 29 percent less than in 1987 and 36 percent less than 2 years earlier. The state average yield of 26.0 bushels was down 6 bushels from a year earlier. Harvested acres totaled 4.23 million acres, 12 percent below 1987. Missouri ranked fourth nationally in acres harvested and fifth in total production. The value of Missouri soybean production is estimated at $836 million, 5 percent below the 1987 crop value as drought reduced production more than offset higher prices.

CORN: Production of 154 million bushels was down 37 percent from 1987 and 45 percent below the record high production in 1986. Acres harvested for grain at 2.02 million acres were 6 percent fewer than 1987. The state yield of 76 bushels is down from 113 bushels a year earlier. Corn yields in the northeastern counties were hurt the worst by the drought, while the southeastern counties produced nearly normal yields. The total value of grain production at $407 million was down 8 percent from the 1987 value. Corn silage production totaled 1.2 million tons, 7 percent more than in 1987. The state average yield of 8 tons was dramatically below the near record high of 14 tons from a year earlier.

WINTER WHEAT: Production in 1988 totaled 77.5 million bushels, up 119 percent from the small crop in 1987. Yield per acre was a record high 50 bushels, 4 bushels above the previous record set in 1987. Wheat seeded acres for the 1988 crop was up 83 percent from a year earlier to 1.65 million acres. Excellent weather conditions in the fall of 1987 contributed to the large increase in acres seeded. Harvested acres of 1.55 million were up 101 percent from the low level of 1987. Total value of the crop was $267.4 million, nearly 3 times the value of the 1987 crop.

GRAIN SORGHUM: A total of 38.1 million bushels of grain sorghum was produced, 36 percent below 1987. There were 470,000 acres harvested for grain, a 33 percent decline from a year earlier. A yield of 81 bushels per acre was only 4 bushels below 1987 despite drought conditions. total value of sorghum harvested for grain was $91.7 million, 3 percent above the 1987 crop value, as higher prices more than offset the reduced production. Production of sorghum silage at 85,000 tons was 29 percent below the previous year. The 10,000 acres cut for silage averaged 8.5 tons per acre.

RICE: The 1988 rice crop production of 4.18 million hundredweight was 17 percent larger than the 1987 crop. Harvested acres totaled 82,000 up 16,000 from the previous year. The 1988 yield per acre was 5,100 pounds, down from 5,400 pounds in 1987.

HAY: The 1988 production of all hay totals 5.16 million tons, down 16 percent from the 1987 crop and the lowest since 1980. Acres harvested at 4.0 million were 14 percent more than the previous year and was at the highest level ever for Missouri, partly due to government program land being released for haying because of the drought. The average yield was 1.30 tons, down sharply from the 1.76 tons last year and the lowest since 1954. Acres of alfalfa were down only slightly at 400,000 acres, while the average yield dropped much more dramatically to 2.1 tons, a 28 percent decline. Production of alfalfa at 840,000 tons was down 31 percent from 1987. Acreage of all other hay was up 16 percent at 3.6 million acres. The average yield for other hay at 1.2 tons was down 25 percent due to the drought. Production also declined despite increased acreage and totaled 4.32 million tons, down 13 percent from 1987.

COTTON: Bales of cotton produced in 1988 totaled 306,000 bales, down 7 percent from 1987. The 620 pound yield average is 218 pounds below the record high of a year earlier. There were 237,000 acres of cotton harvested in Missouri in 1988, 25 percent more than in 1987. Value of the state's cotton crop is estimated at $78.3 million, a 25 percent decline in value from the 1987 crop. Cottonseed production totaled 124,000 tons, with a value of $13.6 million.

TOBACCO: Tobacco production in 1988 totaled 4.41 million pounds, 25 percent above the 1987 production. The 2,100 acres harvested produced a yield of 2,100 pounds, slightly above the 2,070 pounds of a year earlier. The value of production at $6.83 million increased 24 percent over the 1987 value.

MISSOURI CROP PRODUCTION, 1987-88

Crop	Unit	Acres Harvested 1987	Acres Harvested 1988	Yield per Acre 1987	Yield per Acre 1988	Production 1987	Production 1988
		-thous. ac.-		-bu.-		-thous. bu.-	
Corn for Grain	bu.	2,150	2,020	113.0	76.0	242,950	153,520
Corn for Silage	ton	80	150	14.0	8.0	1,120	1,200
Sorghum for Grain	bu.	700	470	85.0	81.0	59,500	38,070
Sorghum for Silage	ton	10	10	12.0	8.5	120	85
Soybeans	bu.	4,830	4,230	32.0	26.0	154,560	109,980
Winter Wheat	bu.	770	1,550	46.0	50.0	35,420	77,500
Oats	bu.	90	40	38.0	36.0	3,420	1,440
Rye	bu.	2	8	18.0	32.0	36	256
All Rice 1/	cwt.	66	82	5,400	5,100	3,564	4,182
Long Grain	cwt.	63	80	5,430	5,100	3,420	4,080
Medium Grain	cwt.	3	2	4,800	5,100	144	102
Cotton 2/	bale	189	237	838	620	330	306
Cottonseed	ton	---	---	---	---	130.0	124.0
Tobacco 3/	lb.	1.7	2.1	2,070	2,100	3,519	4,410
All Hay 4/	ton	3,520	4,000	1.76	1.30	6,178	5,160
Alfalfa Hay	ton	420	400	2.90	2.10	1,218	840
All Other Hay	ton	3,100	3,600	1.60	1.20	4,960	4,320
Apples 5/	lb.	---	---	---	---	50,000	54,000
Peaches 5/	lb.	---	---	---	---	13,000	14,000
Grapes 6/	ton	---	---	---	---	2.75	3.25

1/ Yield in pounds, production in hundredweight.
2/ Yield in pounds, production in 480 poundbales.
3/ Yield and production in pounds.
4/ Yield and production in tons.
5/ Utilized production in pounds.
6/ Utilized production in tons.

VALUE OF MISSOURI CROP PRODUCTION, 1987-88

CROP	UNIT	Average Value per Unit 1/ 1987	Average Value per Unit 1/ 1988	Value of Production 1987	Value of Production 1988
		-dollars-		-thousand dollars-	
Corn	bu.	1.82	2.65	442,169	406,828
Grain Sorghum	bu.	1.50	2.41	89,250	91,749
Soybeans	bu.	5.70	7.60	880,992	835,848
Winter Wheat	bu.	2.53	3.45	89,613	267,375
Oats	bu.	1.55	3.25	5,301	4,680
Rye	bu.	1.85	3.00	67	768
All Rice 2/	cwt.	7.41	6.70	26,409	28,019
All Hay	ton	58.50	78.00	361,413	407,640
Cotton	lb.	.660	.533	104,544	78,287
Cottonseed	ton	71.00	110.00	9,230	13,640
Tobacco	lb.	1.568	1.548	5,518	6,827
Apples 3/	lb.	.099	.152	4,935	8,208
Peaches	lb.	.187	.225	2,431	3,150
Grapes 3/	ton	351.00	311.00	966	1,011
Total Crops 4/	—	—	—	2,024,164	2,162,263

1/ Value is marketing year average price.
2/ U.S. price used for current year.
3/ Value of utilized production.
4/ Does not include minor crops.

CROP RECORDS FOR MISSOURI:

Acreage, Yield, Production

Crop	Date Series Began	Record	Acreage Harvested	Year 1/	Yield Per Acre	Year 1/	Total Production	Year1/	Unit
			-thousands-				-thousands-		
Corn	1919	High	5,993	1925	116.0	1986	280,720	1986	bu.
for Grain 2/		Low	1,430	1983	9.3	1934	14,145	1934	bu.
Corn	1919	High	667	1954	14.0	1987	3,141	1964	tons
for Silage		Low	32	1926	2.7	1934	198	1935	tons
Soybeans	1924	High	5,830	1979	34.5	1985	183,645	1979	bu.
for Beans		Low	44	1925	5.0	1936	255	1936	bu.
Sorghum	1929	High	1,410	1985	85.0	1987	117,030	1955	bu.
for Grain 3/		Low	23	1951	6.4	1936	167	1936	bu.
Sorghum	1929	High	144	1957	13.0	1981	1,408	1958	tons
for Silage		Low	8	1929	4.1	1936	46	1929	tons
Winter Wheat 4/	1909	High	4,565	1919	50.0	1988	115,500	1981	bu.
		Low	570	1986	8.5	1916	9,035	1942	bu.
Rye	1866	High	107	1919	32.0	1988	1,326	1954	bu.
		Low	2	1987	7.0	1901	36	1987	bu.
Oats	1866	High	2,250	1943	55.0	1985	59,427	1942	bu.
		Low	32	1978	10.0	1901	1,280	1978	bu.
Cotton 5/	1879	High	600	1949	838.0	1987	508	1959	bales
		Low	32	1879	127.0	1895	12	1895	bales
Rice (All)	1924	High	82	1988	5,400	1987	4,182	1988	cwt.
		Low	1	1924	1,125	1927	22	1924	cwt.
Tobacco	1866	High	29.0	1877	2,600.0	1970	28,420	1876	lbs.
		Low	1.7	1987	505.0	1887	2,340	1918	lbs.
All Hay	1909	High	4,000	1988	1.99	1968	6,584	1981	tons
		Low	2,442	1937	.51	1911	1,567	1911	tons
Alfalfa Hay	1924	High	850	1969	3.10	1968	6,584	1981	tons
		Low	120	1930	1.50	1936	216	1930	tons
All Other Hay	1924	High	3,600	1988	1.75	1985	5,163	1985	tons
		Low	1,982	1959	.53	1934	1,402	1936	tons
Cottonseed	1879	High	—	—	—	—	213	1948	tons
		Low	—	—	—	—	5	1985	tons
Apples	1934	High	—	—	—	—	116,592	1937	lbs.
Commercial		Low	—	—	—	—	17,934	1936	lbs.
Peaches	1899	High	—	—	—	—	192,000	1906	lbs.
		Low	—	—	—	—	6/	1985	lbs.
Grapes	1909	High	—	—	—	—	11.2	1931	tons
		Low	—	—	—	—	.9	1985	tons

1/ These are the latest years that records were achieved. In some cases these records were equaled in several earlier years.
2/ Between 1866 and 1919, corn for grain was included in all corn estimates.
3/ Between 1919 and 1929, sorghum for grain was included in all sorghum estimates.
4/ Between 1866 and 1909, winter wheat was included in all wheat estimates.
5/ Yield measured in pounds.
6/ No significant commercial production due to frost.

1988 WEATHER IN REVIEW

by J.B. Atkins

The year began with mostly adequate to surplus moisture supplies throughout the state. The wheat crop came through the winter with no significant losses and entered the growing season in mostly good condition. Fieldwork was very limited until the month of March when dry weather permitted farmers to begin field preparation. A previously dry fall had allowed considerable fall tillage, so field preparation for spring crops was well ahead of normal. The northern third of the state was becoming dry by the end of March.

April arrived with heavy rains across southern parts of the state. This slowed the rapid progress of fieldwork, but warming temperatures allowed farmers to quickly return to their activities. Planting progress advanced at a record pace during April as dry conditions in the north permitted fieldwork to proceed rapidly. The early planting pace was somewhat offset by poor germination due to cooler than normal temperatures and a lack of moisture. The moisture shortage also caused weed control chemicals to be less effective than normal, a situation which persisted throughout the spring.

The month of May was dominated by above normal temperatures and little rainfall. Some southern counties received heavy rains near the end of the month, but precipitation was quite limited in most areas. Planting continued at record speed, but poor germination of seed was just as widespread as the moisture shortage, which prompted some farmers to stop planting and await more moisture. The wheat crop continued in mostly fair to good condition despite the dry weather. However, pasture showed more deterioration than other crops, and by month's end most pastures in the northern third of the state were in poor to very poor condition.

June failed to break the weather pattern established in previous months. Crop plantings continued despite limited rainfall, but germination and emergence was reported to be uneven. Pasture condition continued its downward slide and reached the lowest level for this time of year in over 50 years. The shortage of moisture and above normal temperatures caused a continued decline in condition of crops. By the end of May a majority of row crops were in poor to very poor condition. Wheat harvest was the only thing helped by the dry, hot weather, as it progressed rapidly.

Badly needed rains came with the first week of July for most of the state except the northern counties. Relief was short lived however, as hot, dry weather of mid-July kept crop conditions from improving, especially for northern areas of the state that received very limited moisture. Rains again fell during the second half of July, but totals were quite minimal in many counties in the northern third of Missouri. Pastures improved considerably in late July although grass in the northern districts was still mostly in very poor condition. Soybeans and sorghum also showed significant improvement from the rain, while the effect on corn was more modest, as it was already past the crucial pollination stage.

The month of August brought little to change the drought conditions. The continued dry weather hindered crop progress especially with soybean pod development. Temperatures over 100 degrees in the middle of the month drove down crop conditions even further. The first general rain across most of the state occurred in the last week of August, but corn was already well beyond help, while soybeans and sorghum were also too advanced to show any major changes.

Corn and sorghum harvesting began on schedule during September, with dry weather prevailing in most areas. Heavy rains in mid-September slowed harvest progress but caused a measurable improvement in the badly deteriorated pastures. Scattered showers and above normal temperatures were characteristic of the last half of the month. Harvesting continued equal to or ahead of normal in most areas despite the rains, partly due to the lighter stands with below normal yields.

Dry weather and below normal temperatures characterized most of October. The lack of rain allowed harvest to run well ahead of normal, but it hindered recovery of pastures and growth of new wheat seedings. The drought conditions continued into November when the topsoil moisture supply was mostly short in all but the south-central and southeastern counties. Harvesting was reaching completion by mid-November, with only small amounts of soybeans and cotton left unharvested. General rains fell across the southern half of the state during the second week of November, but the northern districts received very little precipitation and were still rated as virtually 100 percent short of topsoil moisture.

Weather conditions during the month of December were highly variable with rains, occurring across southern parts of the state, while northern areas remained arid. Many northern counties finished the year with very dry soil, and livestock water supplies being very short in both wells and stock ponds.

CLIMATOLOGICAL DATA:

Precipitation, Snowfall and Average Temperatures, Selected Weather Stations, by Months, Missouri, 1988

Precipitation

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					-inches of water-							
Maryville	0.25	0.74	0.14	1.32	2.53	0.72	3.22	M	M	0.50	1.72	0.54
Brookfield	1.93	1.01	1.73	0.98	1.60	0.30	2.37	7.18	3.44	0.53	3.25	1.43
Kirksville	T	M	0.98	0.70	2.57	0.07	1.85	3.27	2.20	0.58	2.44	1.25
Hannibal	1.41	1.32	2.31	1.27	1.80	3.19	1.37	3.21	1.74	0.82	3.94	2.30
Kansas City 1/	1.40	0.72	1.43	2.15	2.14	1.80	1.21	1.87	8.48	0.21	1.96	0.85
Columbia 1/	1.57	2.23	4.09	1.97	2.45	0.47	2.26	4.14	2.32	1.25	4.35	3.42
St. Louis 1/	3.30	2.27	4.73	1.15	1.44	1.97	3.02	2.31	1.99	1.86	6.65	3.24
Clinton	0.86	0.51	2.31	4.11	1.21	3.80	3.76	3.22	3.30	0.86	4.46	1.53
Rolla	1.06	4.50	5.04	2.09	2.93	0.15	7.91	4.01	3.41	2.23	7.49	4.32
Springfield	1.34	2.18	5.87	3.75	4.40	5.35	4.80	5.14	5.14	1.91	5.48	3.10
Poplar Bluff	2.14	2.01	5.47	2.40	2.19	0.81	11.97	4.39	4.33	4.11	8.27	2.55

Snowfall

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					-inches of snow-							
Maryville	0.9	9.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0
Brookfield	M	M	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Kirksville	T	12.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4
Hannibal	T	10.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
Kansas City 1/	0.9	9.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Columbia 1/	1.4	10.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.6
St. Louis 1/	1.4	6.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.9
Clinton	1.5	M	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.0
Rolla	3.4	8.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	4.3
Springfield	5.8	4.3	7.0	T	0.0	0.0	0.0	0.0	0.0	0.0	3.0	6.8
Poplar Bluff	3.5	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5

Average Temperatures

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					-degrees Fahrenheit-							
Maryville	21.9	22.6	39.6	49.4	66.7	75.3	75.0	M	M	52.0	42.7	30.9
Brookfield	27.1	27.0	45.4	55.4	68.4	77.2	80.1	79.8	70.2	52.4	44.7	34.2
Kirksville	25.2	24.6	42.4	53.9	65.0	74.4	77.9	80.0	68.9	49.7	42.6	31.8
Hannibal	23.4	25.1	41.8	53.8	67.5	75.8	78.1	79.0	68.7	50.0	42.8	31.2
Kansas City 1/	26.7	27.9	43.2	54.5	69.1	78.1	79.6	81.3	70.5	52.2	44.8	35.2
Columbia 1/	27.7	28.1	43.8	54.1	66.1	75.2	78.6	79.0	69.5	51.1	45.3	34.0
St. Louis 1/	29.2	30.5	45.2	57.1	69.0	77.7	81.6	82.7	72.5	53.9	47.2	37.2
Clinton	25.8	27.7	40.7	51.9	64.9	74.8	76.0	77.5	66.9	49.8	43.6	32.3
Rolla	28.2	30.7	44.2	56.5	67.0	76.2	76.6	79.6	69.6	52.3	46.8	36.8
Springfield	29.6	32.2	45.4	54.8	65.6	74.5	76.7	78.6	68.9	52.9	47.1	37.3
Poplar Bluff	30.4	34.7	47.7	58.6	68.5	77.8	78.8	80.7	70.3	54.3	48.2	38.2

T-Trace M-Missing Data 1/Airport
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service.

USUAL PLANTING AND HARVESTING DATES:

By Crop and Principal Producing Areas, Missouri

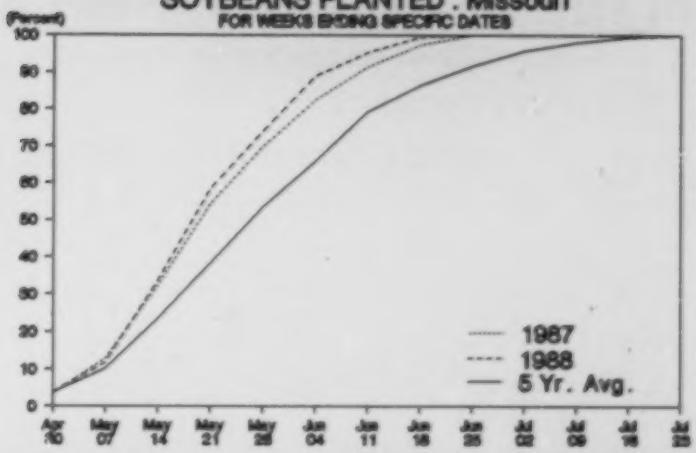
CROP	USUAL PLANTING DATES	USUAL HARVESTING DATES BEGIN	MOST ACTIVE	END	PRINCIPAL PRODUCING AREAS AND COUNTIES
CORN:					
GRAIN	APR 10 - JUN 10	SEP 5	SEP 25 - NOV 15	DEC 20	STATEWIDE
SILAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
FORAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
COTTON:	APR 20 - JUN 1	SEP 20	OCT 1 - NOV 15	DEC 15	SOUTHEAST
HAY:					
ALFALFA		MAY 20		SEP 10	STATEWIDE
OTHER		MAY 20		SEP 20	STATEWIDE
OATS:	MAR 1 - APR 25	JUN 15	JUN 25 - JUL 15	JUL 25	STATEWIDE
RICE:	APR 15 - MAY 30	AUG 25	SEP 1 - OCT 1	OCT 25	SOUTHEAST
RYE:	AUG 15 - OCT 20	JUN 10	JUN 20 - JUL 10	JUL 10	STATEWIDE
SORGHUM:					
GRAIN	MAY 1 - JUL 1	SEP 10	SEP 25 - OCT 25	DEC 10	STATEWIDE
SILAGE	MAY 5 - JUL 1	AUG 15	AUG 25 - SEP 15	OCT 20	STATEWIDE
SOYBEANS:	MAY 1 - JUL 10	SEP 15	OCT 5 - NOV 15	DEC 15	STATEWIDE
TOBACCO:	MAY 15 - JUN 10	AUG 20	AUG 25 - SEP 15	SEP 25	PLATTE, BUCHANAN
WHEAT:	SEP 20 - NOV 20	JUN 10	JUN 20 - JUL 10	JUL 20	STATEWIDE

GROWING DEGREE DAYS 1/

	1985	1986	1987	1988	1988 Departure From Long Term Average
St. Joseph	3,365	3,708	3,727	3,787	+161
Kirksville	3,201	3,542	3,611	3,687	+371
Quincy, IL	3,259	3,530	3,593	3,598	+191
Kansas City	3,425	3,748	3,808	3,898	+254
Columbia	3,404	3,244	3,691	3,672	+90
St. Louis	3,717	4,042	4,064	4,101	+307
Nevada	3,728	3,903	3,711	3,815	-39
Springfield	3,633	3,750	3,776	3,675	+3
Cairo, IL	4,043	4,244	4,382	3,861	-348
Caruthersville	4,065	4,091	4,076	3,843	-333

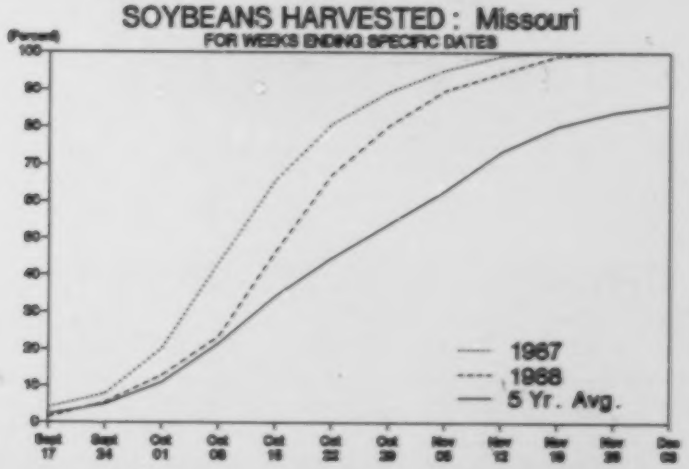
1/Growing degree days are calculated by subtracting a 50-degree (Fahrenheit) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 growing degree days will have been accumulated.

1985: Accumulated from April 1 to Sept. 28. **1986:** Accumulated from April 1 to Sept. 27.
1987: Accumulated from April 1 to Sept. 26. **1988:** Accumulated from April 1 to Oct. 1.



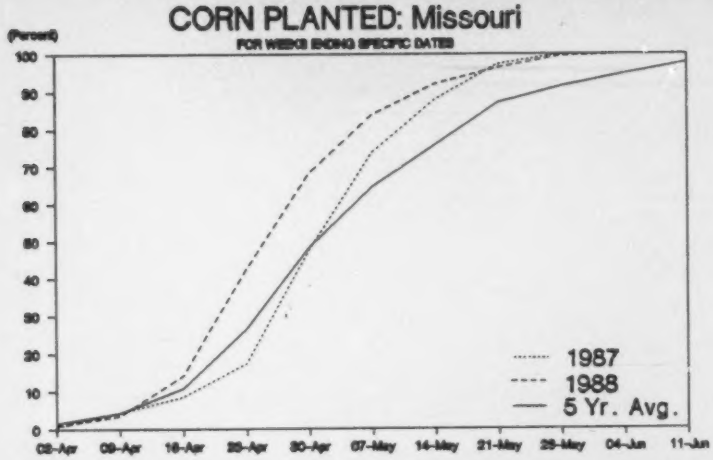
SOYBEANS PLANTED: For Weeks Ending Specific Dates, Missouri 1984-88

Year	Apr 30	May 7	May 14	May 21	May 28	June 4	June 11	June 18	June 25	July 2	July 9	July 16	July 23
							-percent-						
1984	1.0	1.3	4.1	12.7	23.9	33.7	62.4	66.3	75.7	86.9	92.9	98.3	100.0
1985	5.3	11.1	25.7	38.0	60.9	70.0	77.3	84.4	89.7	94.9	97.6	99.3	100.0
1986	5.1	13.1	21.7	27.4	38.4	53.9	69.9	83.7	92.6	97.3	99.4	100.0	100.0
1987	3.4	12.9	32.3	54.4	69.9	82.4	91.4	97.4	100.0	100.0	100.0	100.0	100.0
1988	4.0	11.9	33.6	58.4	74.0	88.9	95.3	99.4	100.0	100.0	100.0	100.0	100.0
5-year Average	3.8	10.1	23.5	38.2	53.4	65.8	79.3	86.3	91.6	95.8	98.0	99.5	100.0



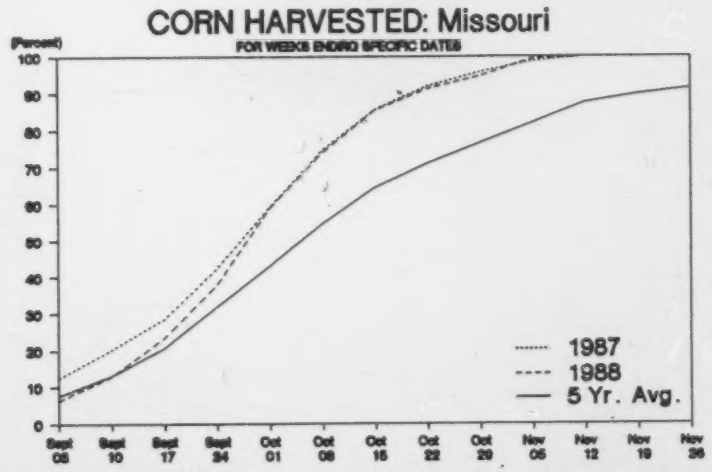
SOYBEANS HARVESTED: For Weeks Ending Specific Dates, Missouri 1984-88

Year	Sep 17	Sep 24	Oct 1	Oct 8	Oct 15	Oct 22	Oct 29	Nov 5	Nov 12	Nov 19	Nov 26	Dec 3
						-percent-						
1984	2.3	4.6	9.6	19.9	25.3	27.4	30.3	35.6	59.1	73.9	85.7	91.0
1985	0.6	1.6	4.4	10.3	16.9	21.3	31.6	47.3	59.1	62.3	63.6	65.6
1986	3.3	5.9	7.4	11.0	17.1	26.0	37.9	46.0	55.1	65.4	70.9	73.7
1987	4.1	7.9	20.3	43.4	65.9	80.9	89.4	95.4	99.1	100.0	100.0	100.0
1988	1.5	5.4	12.9	23.4	46.4	67.1	80.3	89.7	94.4	99.3	100.0	100.0
5-year Average	2.4	5.1	10.9	21.6	34.3	44.5	53.9	62.8	73.4	80.2	84.0	86.1



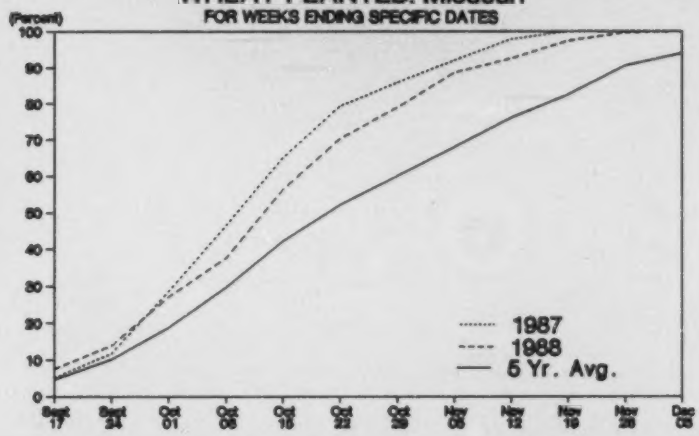
CORN PLANTED: For Weeks Ending Specific Dates, Missouri 1984-88

Year	Apr 2	Apr 9	Apr 16	Apr 23	Apr 30	May 7	May 14	May 21	May 28	June 4	June 11
					-percent-						
1984	0.0	0.0	0.1	1.6	6.0	13.3	26.6	61.4	71.7	83.9	95.1
1985	0.2	2.1	10.1	33.6	63.7	76.1	86.0	92.4	96.6	98.6	100.0
1986	6.7	11.3	21.3	37.4	55.9	75.9	86.3	88.4	89.6	91.5	94.0
1987	0.6	4.4	8.7	17.4	47.6	74.0	88.0	97.4	100.0	100.0	100.0
1988	1.0	3.6	14.3	42.6	68.4	84.0	92.0	96.4	99.6	100.0	100.0
5-year Average	1.7	4.3	10.9	26.5	48.3	64.7	75.8	87.2	91.5	94.8	97.8



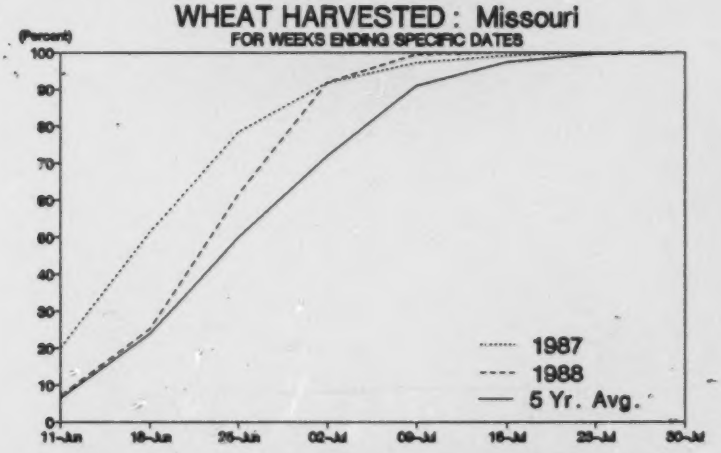
CORN HARVESTED FOR GRAIN: For Weeks Ending Specific Dates, Missouri 1984-88

Year	Sep 3	Sep 10	Sep 17	Sep 24	Oct 1	Oct 8	Oct 15	Oct 22	Oct 29	Nov 5	Nov 12	Nov 19	Nov 26
							-percent-						
1984	4.6	8.6	13.9	26.0	34.0	47.4	56.6	60.9	66.7	73.0	85.4	88.6	92.4
1985	4.9	8.1	13.6	22.0	29.9	39.6	47.4	53.3	62.1	72.0	77.3	78.3	79.9
1986	9.7	15.4	23.9	30.7	33.4	37.9	48.1	57.6	63.1	67.7	74.3	81.7	84.9
1987	12.4	20.1	28.6	42.3	59.1	74.6	85.6	91.9	95.7	98.7	100.0	100.0	100.0
1988	6.3	13.0	23.4	37.9	58.9	74.0	85.4	91.3	94.6	99.3	100.0	100.0	100.0
5-year Average	7.6	13.1	20.7	31.8	43.1	54.7	64.6	71.0	76.5	82.1	87.4	89.7	91.4



WHEAT SEEDED: For Weeks Ending Specific Dates, Missouri 1984-88

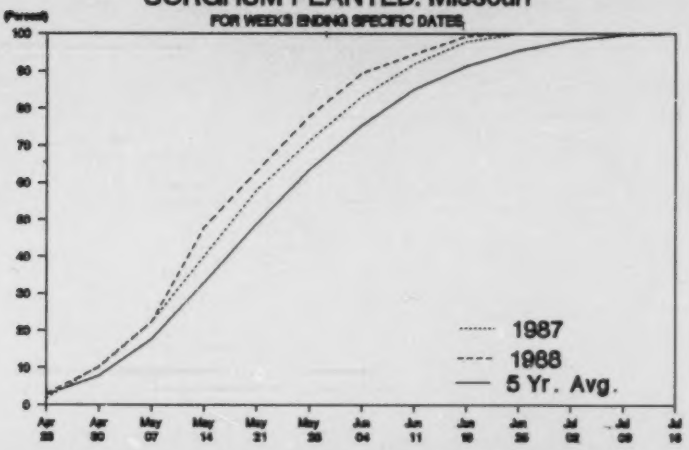
Year	Sep 17	Sep 24	Oct 1	Oct 8	Oct 15	Oct 22	Oct 29	Nov 5	Nov 12	Nov 19	Nov 26	Dec 3
						-percent-						
1984	3.7	8.7	15.0	28.7	39.3	41.6	45.6	50.7	62.3	72.3	86.3	88.7
1985	3.0	8.6	13.1	23.0	30.3	38.6	47.9	60.1	73.0	78.1	92.7	97.0
1986	4.3	7.7	10.0	12.6	19.9	30.6	41.9	48.3	54.3	64.3	74.2	84.0
1987	5.1	11.7	28.6	46.6	65.0	79.1	85.9	92.0	97.9	100.0	100.0	100.0
1988	7.5	14.0	27.0	37.6	56.1	70.1	78.9	88.6	92.6	97.3	99.7	100.0
5-year Average	4.7	10.1	18.7	29.7	42.1	52.0	60.0	67.9	76.0	82.4	90.6	93.9



WHEAT HARVESTED: For Weeks Ending Specific Dates, Missouri 1984-88

Year	June 11	June 18	June 25	July 2	July 9	July 16	July 23	July 30	Aug 6	Aug 13
					-percent-					
1984	1.4	5.3	15.6	36.4	71.7	89.4	98.3	100.0	100.0	100.0
1985	2.7	10.0	26.3	55.4	91.6	98.6	100.0	100.0	100.0	100.0
1986	1.0	28.0	67.3	83.9	95.1	99.5	100.0	100.0	100.0	100.0
1987	20.0	51.3	78.3	91.7	97.1	99.1	100.0	100.0	100.0	100.0
1988	7.0	25.1	61.4	91.9	99.4	100.0	100.0	100.0	100.0	100.0
5-year Average	6.4	23.9	49.8	71.9	91.0	97.3	99.7	100.0	100.0	100.0

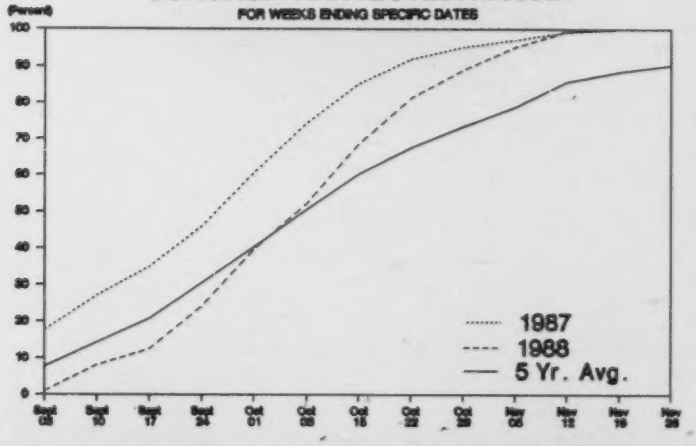
SORGHUM PLANTED: Missouri



SORGHUM PLANTED: For Weeks Ending Specific Dates, Missouri, 1984-88

Year	Apr 23	Apr 30	May 7	May 14	May 21	May 28	June 4	June 11	June 18	June 25	July 2	July 9	July 16
							-percent-						
1984		1.4	4.4	10.4	33.1	48.3	64.6	80.6	84.7	89.9	95.6	99.1	100.0
1985		5.4	13.0	26.7	43.4	65.1	74.7	80.7	86.4	91.7	96.9	99.3	100.0
1986	4.1	12.1	26.3	39.4	47.0	55.3	66.1	77.7	88.7	95.9	98.5	100.0	100.0
1987	1.7	10.4	22.3	40.1	58.0	71.4	83.3	92.0	97.9	100.0	100.0	100.0	100.0
1988	3.0	10.0	22.1	48.0	63.1	77.9	89.4	94.4	99.3	100.0	100.0	100.0	100.0
5-year Average		7.9	17.6	32.9	48.9	63.6	75.6	85.1	91.4	95.5	98.2	99.7	100.0

SORGHUM HARVESTED: Missouri



SORGHUM HARVESTED FOR GRAIN: For Weeks Ending Specific Dates, Missouri 1984-88

Year	Sep 3	Sep 10	Sep 17	Sep 24	Oct 1	Oct 8	Oct 15	Oct 22	Oct 29	Nov 5	Nov 12	Nov 19	Nov 26
							-percent-						
1984	4.0	10.0	19.7	31.1	39.7	50.9	56.4	59.6	63.4	68.3	82.4	85.7	90.5
1985	5.0	10.9	15.3	22.7	29.9	38.7	44.7	50.7	57.6	66.6	73.3	74.6	76.6
1986	10.7	15.1	21.4	28.1	31.4	36.7	46.4	54.9	62.6	67.3	73.7	81.7	84.4
1987	17.7	27.1	35.0	46.0	60.6	74.4	85.1	91.9	95.1	97.1	99.1	100.0	100.0
1988	1.0	8.0	12.4	24.1	39.7	52.3	68.6	81.3	89.0	95.1	99.4	100.0	100.0
5-year Average	7.7	14.2	20.8	30.4	40.3	50.6	60.3	67.7	73.5	78.9	85.6	88.4	90.3

FIELD CROPS:

Corn : Acreage, Yield, Production and Value, Missouri, 1984-88

Crop Year	All Corn Planted	All Corn Harvested	All Corn Abandoned 1/	Harvested for Grain Acres	Harvested for Grain Yield Per Acre	Harvested for Grain Production
		-thousand- acres-		-thousands-	-bushels-	-thous bushels-
1984	2,100	2,060	40	1,930	80.0	154,400
1985	2,600	2,580	20	2,480	110.0	272,800
1986	2,550	2,500	50	2,420	116.0	280,720
1987	2,250	2,230	20	2,150	113.0	242,950
1988	**2,200**	**2,170**	**30**	**2,020**	**76.0**	**153,520**

Crop Year	Value of Corn for Grain 2/ Per Bushel	Value of Corn for Grain 2/ Total	Harvested for Silage Acres	Harvested for Silage Yield per acre	Harvested for Silage Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1984	2.69	415,336	130	11.0	1,430
1985	2.14	583,792	100	13.5	1,350
1986	1.45	407,044	80	13.5	1,080
1987	1.82	442,169	80	14.0	1,120
1988	**2.65**	**406,828**	**150**	**8.0**	**1,200**

Sorghum: Acreage, Yield, Production and Value, Missouri, 1984-88

Crop Year	All Sorghum Planted	All Sorghum Harvested	All Sorghum Abandoned 1/	Harvested for Grain Acres	Harvested for Grain Yield Per Acre	Harvested for Grain Production
		-thousand- acres-		-thousands-	-bushels-	-thous bushels-
1984	1,400	1,350	50	1,330	69.0	91,770
1985	1,450	1,424	26	1,410	83.0	117,030
1986	1,200	1,150	50	1,140	81.0	92,340
1987	720	710	10	700	85.0	59,500
1988	**500**	**480**	**20**	**470**	**81.0**	**38,070**

Crop Year	Value of Sorghum for Grain 2/ Per Bushel	Value of Sorghum for Grain 2/ Total	Harvested for Silage Acres	Harvested for Silage Yield per acre	Harvested for Silage Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1984	2.30	211,071	20	8.5	170
1985	1.88	220,016	14	10.5	147
1986	1.25	115,425	10	11.5	115
1987	1.50	89,250	10	12.0	120
1988	**2.41**	**91,749**	**10**	**8.5**	**85**

1/ Value is marketing year average price (see inside back cover). Includes all acreage not harvested for silage or grain.
2/ Prices prior to 1986 include allowances for crops under loan valued at the loan rate.

FIELD CROPS:

Acreage, Yield, Production and Value, Missouri, 1984-88

Crop Year	Acreage		Yield			Value 1/	
	Planted	Harvested	Unit	Per Acre	Production	Per Unit	Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Winter Wheat-			
1984	2,350	2,050	Bu.	41.0	84,050	3.19	268,120
1985	1,500	1,280	Bu.	39.0	49,920	2.88	143,770
1986	1,050	570	Bu.	33.0	18,810	2.37	44,580
1987	900	770	Bu.	46.0	35,420	2.53	89,613
1988	**1,650**	**1,550**	**Bu.**	**50.0**	**77,500**	**3.45**	**267,375**
				-All Soybeans-			
1984	5,500	5,300	Bu.	20.5	108,650	5.84	634,516
1985	5,300	5,230	Bu.	34.5	180,435	4.96	894,958
1986	5,450	5,250	Bu.	32.5	170,625	4.61	786,581
1987	4,900	4,830	Bu.	32.0	154,560	5.70	880,992
1988	**4,300**	**4,230**	**Bu.**	**26.0**	**109,980**	**7.60**	**835,848**
				-Soybeans, single crop-			
1984	4,740	4,610	Bu.	20.8	95,900	---	-------
1985	4,830	4,775	Bu.	35.4	168,865	---	-------
1986	5,170	4,980	Bu.	32.8	163,290	---	-------
1987	4,520	4,460	Bu.	32.9	146,820	---	-------
1988	**3,810**	**3,780**	**Bu.**	**26.7**	**101,000**	**—**	**——**
				-Soybeans, double crop-			
1984	760	690	Bu.	18.5	12,750	---	-------
1985	470	455	Bu.	25.4	11,570	---	-------
1986	280	270	Bu.	27.2	7,335	---	-------
1987	380	370	Bu.	20.9	7,740	---	-------
1988	**490**	**450**	**Bu.**	**20.0**	**8,980**	**—**	**——**
				-Cotton 2/-			
1984	164	162	Lb.	554	187	58.50	52,510
1985	152	150	Lb.	653	204	57.50	56,304
1986	178	160	Lb.	588	196	51.50	48,451
1987	190	189	Lb.	838	330	66.00	104,544
1988	**240**	**237**	**Lb.**	**620**	**306**	**53.30**	**78,287**
				-Cottonseed-			
1984	—	—	Ton	—	72.0	86.50	6,228
1985	—	—	Ton	—	80.0	52.00	4,160
1986	—	—	Ton	—	81.0	63.00	5,103
1987	—	—	Ton	—	130.0	71.00	9,230
1988	**—**	**—**	**Ton**	**—**	**124.0**	**110.00**	**13,640**
				-Oats-			
1984	65	33	Bu.	48.0	1,584	2.25	3,564
1985	170	105	Bu.	55.0	5,775	1.33	7,681
1986	190	100	Bu.	50.0	5,000	1.05	5,250
1987	180	90	Bu.	38.0	3,420	1.55	5,301
1988	**120**	**40**	**Bu.**	**36.0**	**1,440**	**3.25**	**4,680**

1/ Value is marketing year average (see inside back cover). Prices prior to 1986 include allowances for crops under loan valued at the loan rate.

2/ Cotton production in 480 pound bales, price in cents per pound.

FIELD CROPS:

Acreage, Yield, Production and Value, Missouri, 1984-88

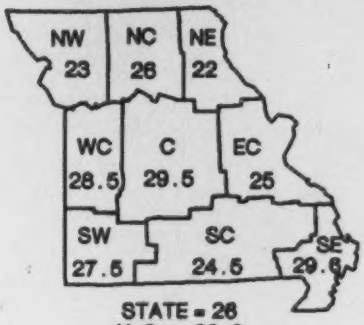
Crop Year	Acreage Planted	Acreage Harvested	Yield Unit	Yield Per Acre	Production	Value 1/ Per Unit	Value 1/ Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Rye-			
1984	47	3	Bu.	25.0	75	3.00	225
1985	38	3	Bu.	27.0	81	2.50	203
1986	20	3	Bu.	20.0	60	1.75	105
1987	15	2	Bu.	18.0	36	1.85	67
1988	**25**	**8**	**Bu.**	**32.0**	**256**	**3.00**	**768**
				-Rice (All) 2/-			
1984	77	76	Cwt.	4,600	3,493	8.70	30,389
1985	72	72	Cwt.	4,810	3,463	7.05	24,414
1986	68	67	Cwt.	5,120	3,434	3.57	12,259
1987	67	66	Cwt.	5,400	3,564	7.41	26,409
1988	**83**	**82**	**Cwt.**	**5,100**	**4,182**	**6.70 3/**	**28,019 4/**
				-Tobacco 5/-			
1984	—	2,900	Lb.	2,015	5,844	1.857	10,852
1985	—	2,500	Lb.	2,180	5,450	1.580	8,611
1986	—	2,100	Lb.	2,090	4,389	1.548	6,794
1987	—	1,700	Lb.	2,070	3,519	1.568	5,518
1988	**—**	**2,100**	**Lb.**	**2,100**	**4,410**	**1.548**	**6,827**
				-All Hay-			
1984	—	3,450	Ton	1.84	6,338	69.00	437,322
1985	—	3,400	Ton	1.92	6,513	60.50	394,037
1986	—	3,400	Ton	1.77	6,028	55.00	331,540
1987	—	3,520	Ton	1.76	6,178	58.50	361,413
1988	**—**	**4,000**	**Ton**	**1.30**	**5,160**	**78.00**	**407,640**
				-Alfalfa Hay-			
1984	—	450	Ton	2.75	1,238	—	—
1985	—	450	Ton	3.00	1,350	—	—
1986	—	420	Ton	3.00	1,260	—	—
1987	—	420	Ton	2.90	1,218	—	—
1988	**—**	**400**	**Ton**	**2.10**	**840**	**—**	**—**
				-All Other Hay-			
1984	—	3,000	Ton	1.70	5,100	—	—
1985	—	2,950	Ton	1.75	5,163	—	—
1986	—	2,980	Ton	1.60	4,768	—	—
1987	—	3,100	Ton	1.60	4,960	—	—
1988	**—**	**3,600**	**Ton**	**1.20**	**4,320**	**—**	**—**

1/ Value is marketing year average price (see inside back cover)
2/ Rice yield is in pounds; production is in cwt.
3/ Average U.S. price for 1988 marketing year.
4/ Value based on U.S. price.
5/ Tobacco acreage in acres, not thousand acres.

1988 CROP YIELDS BY DISTRICTS

BU./ACRE

Soybeans

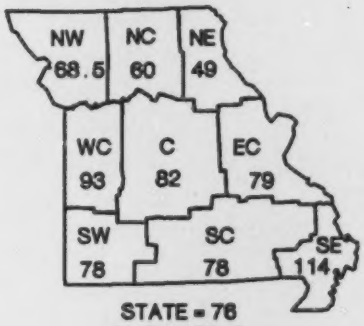


STATE = 26
U.S. = 26.8

Grain Sorghum

STATE = 81
U.S. = 63.8

Corn



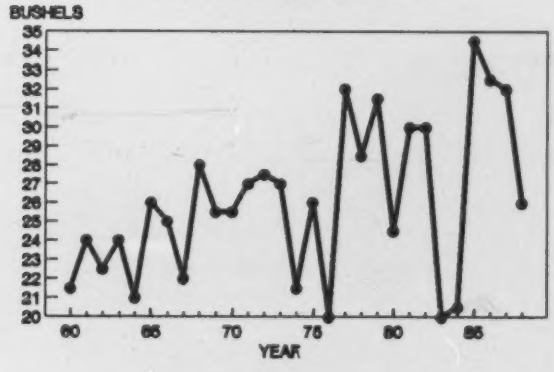
STATE = 76
U.S. = 84.6

Winter Wheat

STATE = 50
U.S. = 39.2

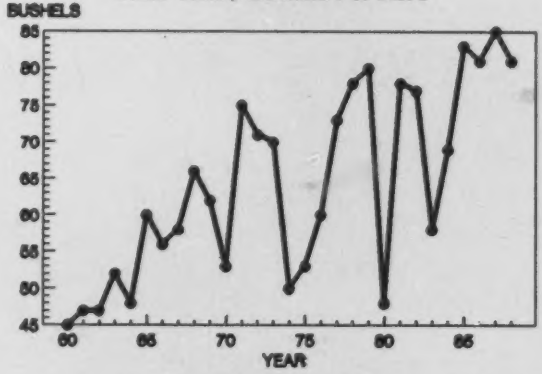
SOYBEANS :

State Yield, Bushels Per Acre



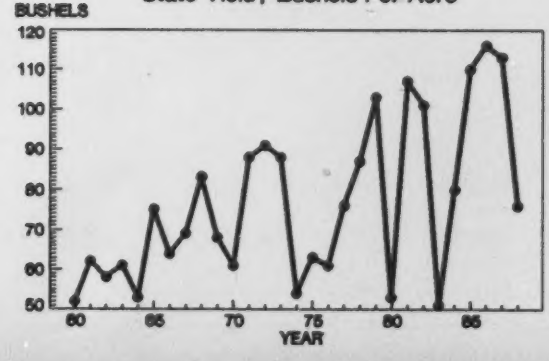
SORGHUM :

State Yield, Bushels Per Acre



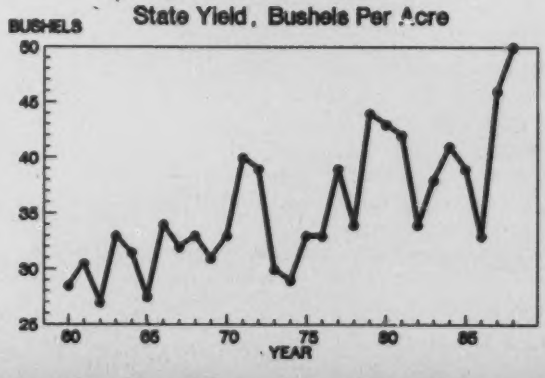
CORN :

State Yield, Bushels Per Acre



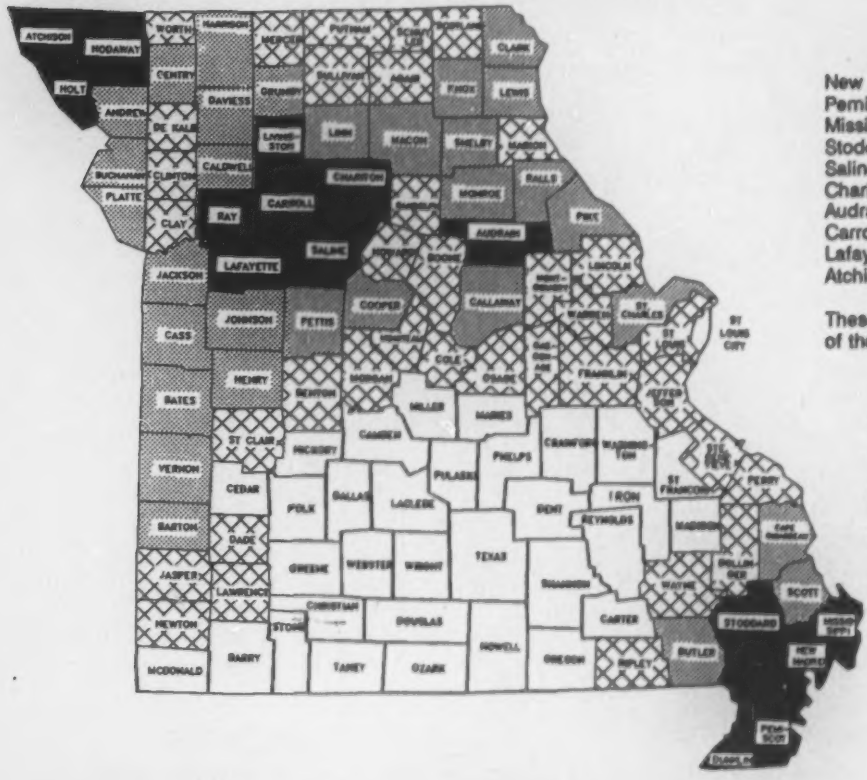
WINTER WHEAT :

State Yield, Bushels Per Acre



1988 SOYBEAN PRODUCTION,

By Counties



TOP TEN COUNTIES

New Madrid	5,073,000 bu.
Pemiscot	5,067,000 bu.
Mississippi	4,452,000 bu.
Stoddard	4,074,000 bu.
Saline	3,492,000 bu.
Chariton	3,336,000 bu.
Audrain	3,195,000 bu.
Carroll	3,142,000 bu.
Lafayette	2,706,000 bu.
Atchison	2,539,000 bu.

These top 10 counties represent 33.7% of the State's total production.

- 2,000,000 bu. and above
- 1,000,000-1,999,999 bu.
- 100,000 - 999,999 bu.
- Under 100,000 bu.

SOYBEANS: By Cropping Practice, Missouri, 1987-88

Cropping Practice	Planted Acres		Harvested Acres		Yield		Production	
	1987	1988	1987	1988	1987	1988	1987	1988
	-thousands-				-bushels/A-		-thous. bu.-	
Single-Crop								
In Rows	3,530	2,960	3,485	2,940	32.4	26.7	112,900	78,630
Drilled or Broadcast	990	850	975	840	34.8	26.6	33,920	22,370
All Single-Crop	4,520	3,810	4,460	3,780	32.9	26.7	146,820	101,000
Double-Crop								
In Rows	283	370	275	342	21.6	20.1	5,930	6,890
Drilled or Broadcast	97	120	95	108	19.1	19.4	1,810	2,090
All Double-Crop	380	490	370	450	20.9	20.0	7,740	8,980
All Soybeans in Rows	3,813	3,330	3,760	3,282	31.6	26.1	118,830	85,520
All Drilled or Broadcast	1,087	970	1,070	948	33.4	25.8	35,730	24,460
Total All Soybeans	**4,900**	**4,300**	**4,830**	**4,230**	**32.0**	**26.0**	**154,560**	**109,980**

SOYBEANS:

Single and Double Crop, Acreage, Yield and Production, By Districts, Missouri, 1987-88

District	SINGLE CROP						DOUBLE CROP					
	Acres Harvested		Yield		Production		Acres Harvested		Yield		Production	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	-thous-		-bu-		-thous bu-		-thous-		-bu-		-thous bu-	
NW	975	896	36.5	23.1	35,554	20,706	14	11	23.2	14.1	325	155
NC	819	632	35.1	26.3	28,797	16,594	8	10	21.0	9.8	168	98
NE	765	638	31.3	22.3	23,909	14,204	12	15	14.8	10.8	178	162
WC	440	356	33.6	30.6	14,781	10,896	18	50	18.5	13.5	333	675
C	440	335	35.0	31.2	15,408	10,450	14	31	18.2	11.2	255	347
EC	238	209	32.6	26.3	7,759	5,489	17	16	16.1	8.5	274	136
SW	130	78	29.6	30.1	3,848	2,347	26	51	23.0	23.5	598	1,200
SC	29	25	24.9	25.2	723	629	3	3	20.3	19.0	61	57
SE	624	611	25.7	32.2	16,061	19,685	258	263	21.5	23.4	5,548	6,150
STATE	**4,460**	**3,780**	**32.9**	**26.7**	**146,820**	**101,000**	**370**	**450**	**20.9**	**20.0**	**7,740**	**8,980**

SOYBEANS:

Distribution Percentage by Row Width, Missouri, 1984-88 1/

Year	Number Sample Plots	Row Width (inches) 2/					Average Row Width 3/
		10.0 & Less	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	
1984	155	28.7	5.5	6.5	41.6	17.7	25.0
1985	144	25.7	4.5	5.2	47.2	17.4	25.7
1986	140	15.4	2.9	6.1	54.5	21.1	27.6
1987	148	20.6	8.4	7.1	44.3	19.6	25.9
1988	**146**	**19.7**	**7.4**	**8.8**	**45.8**	**18.3**	**25.1**

1/ Based on Soybean Objective Yield Survey. Data reflects trends in cropping practices, but are not official National Agricultural Statistics Board estimates.
2/ Percent of sample plots.
3/ In inches.

SOYBEANS:

Varieties by Districts, Missouri, 1988 1/

Variety	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
	-percent-									
Public Varieties										
Williams	40.1	58.6	55.7	40.6	51.8	41.8	4.3	4.0	0.8	**38.3**
Essex	—	—	—	3.0	—	8.7	34.8	52.2	1.6	**2.2**
Others	14.4	1.4	5.3	2.3	3.3	6.1	35.0	—	11.1	**8.1**
Private Varieties										
Asgrow	20.4	18.1	13.8	1.6	4.8	16.7	7.6	20.8	68.6	**24.4**
Coker	1.3	3.6	6.7	10.5	10.9	4.6	—	22.9	9.0	**6.0**
Pioneer	7.3	4.9	7.1	8.3	8.4	9.7	2.7	—	3.3	**6.3**
DeKalb	1.6	6.0	6.0	2.5	4.3	8.1	—	—	0.1	**3.3**
Merschman	1.2	—	0.9	5.5	11.0	2.5	6.7	—	—	**2.2**
Jacques	2.3	1.0	0.2	5.1	2.7	0.2	6.1	—	—	**1.6**
Northrup King	1.4	4.2	2.1	0.3	1.5	0.2	—	—	—	**1.5**
Others	10.0	2.2	2.2	20.3	1.3	1.4	2.8	0.1	5.5	**6.1**

1/ Percent of total

SOYBEANS:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	45,600	30.3	1,381,000	7,775.0	36,100	17.7	640,000	4,806.0
ANDREW	64,400	37.8	2,435,000	13,699.0	64,400	22.1	1,425,000	10,685.0
ATCHISON	99,600	37.9	3,775,000	21,238.0	104,500	24.3	2,539,000	19,039.0
AUDRAIN	146,000	30.9	4,514,000	26,001.0	117,000	27.3	3,195,000	24,474.0
BARRY	2,800	26.2	73,300	411.9	1,300	23.7	30,800	230.4
BARTON	75,100	31.4	2,356,000	13,241.0	64,100	27.6	1,772,000	13,255.0
BATES	76,900	32.0	2,461,000	13,905.0	69,400	25.3	1,758,000	13,238.0
BENTON	17,300	38.6	667,000	3,789.0	12,500	31.4	392,000	2,964.0
BOLLINGER	14,000	23.6	331,000	1,906.0	14,200	25.6	363,000	2,781.0
BOONE	50,100	31.1	1,558,000	8,849.0	36,100	26.3	950,000	7,182.0
BUCHANAN	50,900	37.0	1,884,000	10,599.0	51,600	25.4	1,309,000	9,816.0
BUTLER	68,100	27.7	1,889,000	11,107.0	61,600	27.4	1,685,000	13,059.0
CALDWELL	54,900	32.0	1,758,000	9,891.0	46,200	25.2	1,163,000	8,721.0
CALLAWAY	48,400	33.5	1,621,000	9,207.0	37,900	27.3	1,035,000	7,825.0
CAMDEN	---	---	---	---	---	---	---	---
CAPE GIRARDEAU	44,100	27.3	1,206,000	7,091.0	42,300	28.3	1,196,000	9,269.0
CARROLL	140,000	33.9	4,748,000	26,731.0	105,000	29.9	3,142,000	23,596.0
CARTER	---	---	---	---	---	---	---	---
CASS	63,100	34.0	2,146,000	12,125.0	52,200	30.3	1,581,000	11,905.0
CEDAR	5,900	28.6	169,000	955.0	3,900	23.8	93,000	700.0
CHARITON	131,500	36.2	4,762,000	26,810.0	107,000	31.2	3,336,000	25,053.0
CHRISTIAN	---	---	---	---	---	---	---	---
CLARK	68,000	28.8	1,961,000	11,295.0	60,600	20.1	1,220,000	9,345.0
CLAY	25,900	35.7	925,000	5,204.0	19,800	20.7	409,000	3,067.0
CLINTON	44,800	35.2	1,577,000	8,872.0	35,200	22.2	782,000	5,864.0
COLE	6,300	33.3	210,000	1,193.0	5,100	33.1	169,000	1,278.0
COOPER	55,900	31.3	1,749,000	9,934.0	43,300	30.2	1,308,000	9,888.0
CRAWFORD	---	---	---	---	---	---	---	---
DADE	21,300	28.6	610,000	3,428.0	20,300	28.2	573,000	4,286.0
DALLAS	---	---	---	---	---	---	---	---
DAVIESS	93,400	38.0	3,549,000	19,967.0	78,100	21.6	1,690,000	12,672.0
DEKALB	45,700	34.9	1,595,000	8,974.0	36,100	23.2	838,000	6,284.0
DENT	950	29.2	27,700	160.1	550	23.8	13,100	100.1
DOUGLAS	---	---	---	---	---	---	---	---
DUNKLIN	103,500	19.9	2,061,000	12,119.0	87,500	27.0	2,362,000	18,305.0
FRANKLIN	14,800	28.2	417,000	2,414.0	12,000	26.3	316,000	2,430.0
GASCONADE	5,300	26.2	139,000	804.9	3,800	29.7	113,000	869.1
GENTRY	59,500	41.4	2,463,000	13,857.0	50,600	22.2	1,125,000	8,436.0
GREENE	1,300	25.2	32,700	183.7	---	---	---	---
GRUNDY	80,600	36.8	2,967,000	16,704.0	63,900	21.5	1,375,000	10,326.0
HARRISON	71,100	36.3	2,581,000	14,521.0	58,800	23.1	1,359,000	10,191.0
HENRY	41,800	34.5	1,443,000	8,153.0	37,500	31.0	1,162,000	8,750.0
HICKORY	1,300	32.8	42,700	242.6	1,000	24.9	24,900	188.1
HOLT	99,000	38.0	3,762,000	21,165.0	100,000	23.2	2,321,000	17,404.0
HOWARD	39,600	34.9	1,381,000	7,844.0	31,100	30.0	933,000	7,053.0
HOWELL	---	---	---	---	---	---	---	---
IRON	---	---	---	---	---	---	---	---
JACKSON	35,700	34.0	1,214,000	6,859.0	38,100	27.8	1,059,000	7,974.0
JASPER	36,400	25.1	912,000	5,126.0	30,900	28.2	870,000	6,508.0
JEFFERSON	7,300	26.8	196,000	1,135.0	5,500	20.7	114,000	876.7
JOHNSON	52,800	34.8	1,835,000	10,368.0	44,100	29.0	1,279,000	9,632.0
KNOX	74,100	28.4	2,107,000	12,136.0	63,900	16.7	1,067,000	8,173.0
LACLEDE	---	---	---	---	---	---	---	---
LAFAYETTE	87,300	33.8	2,951,000	16,673.0	86,500	31.3	2,706,000	20,376.0
LAWRENCE	8,900	24.7	220,000	1,236.0	6,500	23.8	155,000	1,159.0
LEWIS	71,500	33.3	2,383,000	13,726.0	61,400	19.8	1,218,000	9,330.0
LINCOLN	46,800	29.0	1,358,000	7,863.0	39,500	23.4	923,000	7,097.0
LINN	75,300	36.0	2,712,000	15,268.0	52,300	27.8	1,452,000	10,905.0
LIVINGSTON	101,000	35.8	3,617,000	20,364.0	88,700	27.9	2,472,000	18,565.0
MCDONALD	---	---	---	---	---	---	---	---

SOYBEANS:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
MACON	84,800	33.8	2,867,000	16,141.0	68,400	22.2	1,519,000	11,408.0
MADISON	600	25.2	15,100	87.1	---	---	---	---
MARIES	1,100	33.8	37,200	211.3	---	---	---	---
MARION	55,900	35.2	1,969,000	11,342.0	48,900	19.9	971,000	7,438.0
MERCER	34,600	36.3	1,256,000	7,071.0	27,100	23.0	622,000	4,671.0
MILLER	2,000	32.7	65,400	371.5	1,400	26.0	36,400	274.9
MISSISSIPPI	130,000	25.1	3,259,000	19,163.0	136,500	32.6	4,452,000	34,503.0
MONITEAU	14,900	28.0	417,000	2,369.0	11,500	29.6	340,000	2,570.0
MONROE	84,900	29.6	2,516,000	14,492.0	67,400	21.2	1,428,000	10,938.0
MONTGOMERY	53,300	29.9	1,595,000	9,235.0	43,100	23.1	994,000	7,644.0
MORGAN	10,000	36.4	364,000	2,068.0	7,000	31.3	219,000	1,656.0
NEW MADRID	161,500	23.3	3,760,000	22,109.0	165,500	30.7	5,073,000	39,316.0
NEWTON	9,400	23.6	222,000	1,248.0	5,100	24.9	127,000	950.0
NODAWAY	123,000	35.2	4,331,000	24,366.0	125,500	17.6	2,209,000	16,564.0
OREGON	---	---	---	---	---	---	---	---
OSAGE	6,000	32.3	194,000	1,102.0	6,300	31.3	197,000	1,489.0
OZARK	---	---	---	---	---	---	---	---
PEMISCOT	155,500	25.8	4,006,000	23,555.0	156,000	32.5	5,067,000	39,269.0
PERRY	26,300	31.7	834,000	4,829.0	26,900	24.0	645,000	4,960.0
PETTIS	76,400	32.9	2,512,000	14,268.0	56,100	29.3	1,645,000	12,436.0
PHELPS	800	29.9	23,900	135.8	---	---	---	---
PIKE	65,900	29.1	1,920,000	11,059.0	53,300	25.3	1,351,000	10,349.0
PLATTE	44,700	35.1	1,569,000	8,827.0	44,400	23.8	1,057,000	7,926.0
POLK	3,100	32.9	102,000	579.4	1,200	24.9	29,900	226.0
PULASKI	700	32.4	22,700	129.0	---	---	---	---
PUTNAM	23,200	37.8	877,000	4,938.0	16,700	26.4	441,000	3,312.0
RALLS	69,400	31.6	2,195,000	12,643.0	60,700	24.6	1,491,000	11,421.0
RANDOLPH	47,500	33.7	1,601,000	9,014.0	36,300	22.0	799,000	6,001.0
RAY	87,300	31.5	2,752,000	15,483.0	72,800	30.9	2,248,000	16,857.0
REYNOLDS	---	---	---	---	---	---	---	---
RIPLEY	10,000	25.0	250,000	1,440.0	7,400	23.9	177,000	1,356.0
ST CHARLES	57,600	36.3	2,092,000	12,112.0	54,400	28.0	1,525,000	11,727.0
ST CLAIR	21,200	33.8	716,000	4,045.0	19,000	31.8	604,000	4,548.0
STE GENEVIEVE	6,600	35.2	232,000	1,343.0	9,000	25.2	227,000	1,746.0
ST FRANCOIS	1,200	32.2	38,600	223.6	1,300	24.8	32,200	248.0
ST LOUIS	13,300	29.5	392,000	2,270.0	10,700	26.0	278,000	2,138.0
SALINE	119,000	39.2	4,661,000	26,474.0	114,500	30.5	3,492,000	26,400.0
SCHUYLER	20,700	34.7	718,000	4,042.0	14,200	23.0	326,000	2,448.0
SCOTLAND	52,500	26.2	1,378,000	7,937.0	43,700	19.7	863,000	6,611.0
SCOTT	79,300	24.4	1,933,000	11,366.0	83,100	23.2	1,926,000	14,927.0
SHANNON	---	---	---	---	---	---	---	---
SHELBY	88,800	35.4	3,144,000	18,110.0	76,100	20.5	1,562,000	11,965.0
STODDARD	140,000	25.0	3,495,000	20,551.0	141,500	28.8	4,074,000	31,573.0
STONE	---	---	---	---	---	---	---	---
SULLIVAN	42,200	34.1	1,439,000	8,102.0	26,300	21.6	568,000	4,266.0
TANEY	---	---	---	---	---	---	---	---
TEXAS	---	---	---	---	---	---	---	---
VERNON	73,300	29.7	2,179,000	12,311.0	55,300	24.0	1,329,000	10,007.0
WARREN	21,700	33.0	716,000	4,146.0	18,000	24.3	437,000	3,360.0
WASHINGTON	---	---	---	---	---	---	---	---
WAYNE	5,400	25.0	135,000	777.6	4,900	22.7	111,000	851.0
WEBSTER	---	---	---	---	---	---	---	---
WORTH	24,800	37.2	923,000	5,193.0	19,000	20.4	387,000	2,902.0
WRIGHT	---	---	---	---	---	---	---	---
ALL OTHER	3,750	27.7	103,700	592.5	3,550	24.7	87,700	665.7
DISTRICTS								
NORTHWEST	989,000	36.3	35,879,000	201,856.0	907,000	23.0	20,861,000	156,428.0
NORTH CENTRAL	827,000	35.0	28,945,000	162,960.0	642,000	26.0	16,692,000	125,357.0
NORTHEAST	777,000	31.0	24,087,000	138,741.0	653,000	22.0	14,366,000	110,044.0
WEST CENTRAL	458,000	33.0	15,114,000	85,394.0	406,000	28.5	11,571,000	87,130.0
CENTRAL	454,000	34.5	15,663,000	88,766.6	366,000	29.5	10,797,000	81,430.0
EAST CENTRAL	255,000	31.5	8,033,000	46,375.5	225,000	25.0	5,625,000	43,095.8
SOUTHWEST	156,000	28.5	4,446,000	24,874.6	129,000	27.5	3,547,000	26,388.4
SOUTH CENTRAL	32,000	24.5	784,000	4,370.8	28,000	24.5	686,000	5,088.1
SOUTHEAST	882,000	24.5	21,609,000	127,061.0	874,000	29.6	25,835,000	200,221.0
STATE	4,830,000	32.0	154,560,000	880,992.0	4,230,000	26.0	109,980,000	835,848.0

CORN:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	17,800	102.0	1,815,000	3,176.0	13,000	39.0	507,000	1,298.0
ANDREW	37,900	109.9	4,165,000	7,403.0	35,100	56.1	1,970,000	5,063.0
ATCHISON	95,800	123.5	11,830,000	21,028.0	98,000	84.2	8,251,000	21,205.0
AUDRAIN	41,300	118.5	4,894,000	8,858.0	37,300	70.7	2,638,000	7,096.0
BARRY	850	88.5	75,200	146.2	400	55.5	22,200	62.2
BARTON	7,000	119.6	837,000	1,649.0	6,700	90.3	605,000	1,694.0
BATES	25,100	96.0	2,410,000	4,338.0	25,700	85.5	2,198,000	5,759.0
BENTON	6,200	106.1	658,000	1,171.0	4,400	95.0	418,000	1,078.0
BOLLINGER	7,600	103.6	787,000	1,542.0	9,200	86.0	791,000	2,207.0
BOONE	13,400	108.9	1,459,000	2,597.0	9,800	54.8	537,000	1,385.0
BUCHANAN	33,000	120.5	3,976,000	7,067.0	31,300	77.4	2,423,000	6,227.0
BUTLER	7,900	110.0	869,000	1,721.0	8,000	111.3	890,000	2,474.0
CALDWELL	19,800	108.3	2,144,000	3,811.0	18,000	58.1	1,045,000	2,686.0
CALLAWAY	15,900	108.8	1,730,000	3,079.0	11,500	80.7	928,000	2,394.0
CAMDEN	600	81.8	49,100	87.4	200	72.0	14,400	37.2
CAPE GIRARDEAU	41,400	106.8	4,422,000	8,755.0	29,500	89.4	2,636,000	7,328.0
CARROLL	45,300	115.9	5,252,000	9,191.0	49,000	79.0	3,870,000	9,907.0
CARTER	150	64.0	9,600	18.8	50	62.0	3,100	8.6
CASS	22,800	99.4	2,266,000	4,079.0	19,100	97.7	1,867,000	4,891.0
CEDAR	900	75.6	68,000	122.4	600	76.7	46,000	120.0
CHARITON	50,000	128.6	6,430,000	11,252.0	49,000	63.2	3,095,000	7,923.0
CHRISTIAN	600	90.8	54,500	107.4	900	77.3	69,600	194.9
CLARK	46,300	88.8	4,113,000	7,445.0	40,700	40.1	1,633,000	4,393.0
CLAY	8,700	115.7	1,007,000	1,790.0	7,000	62.9	440,000	1,131.0
CLINTON	25,100	112.7	2,829,000	5,029.0	20,000	53.2	1,064,000	2,735.0
COLE	5,900	106.6	629,000	1,120.0	5,600	79.6	446,000	1,151.0
COOPER	32,400	106.9	3,464,000	6,166.0	32,400	78.8	2,553,000	6,587.0
CRAWFORD	1,000	77.0	77,000	144.1	600	69.5	41,700	112.7
DADE	1,400	91.4	128,000	252.3	1,200	69.4	83,300	233.2
DALLAS	150	72.7	10,900	19.4	100	73.0	7,300	18.8
DAVIESS	27,700	110.6	3,064,000	5,446.0	24,400	55.2	1,346,000	3,459.0
DEKALB	26,600	110.5	2,939,000	5,224.0	23,000	63.9	1,469,000	3,775.0
DENT	650	84.3	54,800	107.4	500	77.6	38,800	108.3
DOUGLAS	100	75.0	7,500	14.7	150	56.7	8,500	23.7
DUNKLIN	5,100	110.8	565,000	1,119.0	6,200	99.2	615,000	1,710.0
FRANKLIN	22,700	97.0	2,202,000	4,118.0	15,700	65.7	1,031,000	2,784.0
GASCONADE	9,300	86.9	808,000	1,511.0	6,900	54.3	375,000	1,013.0
GENTRY	31,300	110.1	3,446,000	6,125.0	29,200	58.0	1,695,000	4,356.0
GREENE	1,200	71.2	85,400	168.2	700	75.3	52,700	147.6
GRUNDY	18,300	111.5	2,040,000	3,570.0	13,000	46.5	604,000	1,546.0
HARRISON	41,800	113.0	4,724,000	8,397.0	30,500	50.3	1,535,000	3,945.0
HENRY	16,800	103.8	1,743,000	3,137.0	12,000	93.7	1,124,000	2,945.0
HICKORY	950	84.4	80,200	142.9	500	76.8	38,400	99.1
HOLT	66,800	117.0	7,816,000	13,893.0	70,500	81.3	5,731,000	14,729.0
HOWARD	24,800	110.2	2,733,000	4,865.0	20,500	67.3	1,379,000	3,558.0
HOWELL	300	85.0	25,500	50.0	150	46.7	7,000	19.5
IRON	150	76.0	11,400	22.3	100	52.0	5,200	14.5
JACKSON	12,900	101.3	1,307,000	2,353.0	11,500	81.5	937,000	2,455.0
JASPER	2,500	105.6	264,000	520.2	3,000	64.7	194,000	543.2
JEFFERSON	3,100	91.9	285,000	533.1	2,800	66.8	187,000	505.2
JOHNSON	26,600	109.4	2,911,000	5,240.0	25,200	83.5	2,104,000	5,512.0
KNOX	29,200	87.9	2,567,000	4,646.0	23,000	26.4	607,000	1,633.0
LACLEDE	1,500	84.7	127,000	226.1	800	81.8	65,400	168.6
LAFAYETTE	64,500	117.6	7,583,000	13,649.0	67,900	99.7	6,772,000	17,743.0
LAWRENCE	1,600	88.8	142,000	279.8	1,100	77.4	85,100	238.3
LEWIS	39,600	116.3	4,605,000	8,335.0	37,300	42.2	1,575,000	4,237.0
LINCOLN	46,400	118.7	5,506,000	10,296.0	40,000	76.0	3,038,000	8,204.0
LINN	19,300	119.7	2,310,000	4,043.0	20,000	57.6	1,152,000	2,949.0
LIVINGSTON	12,900	121.2	1,564,000	2,737.0	17,000	60.4	1,027,000	2,629.0
MCDONALD	250	64.0	16,000	31.5	300	74.3	22,300	62.4

CORN:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
MACON	26,000	104.9	2,728,000	4,774.0	19,000	52.9	1,006,000	2,575.0
MADISON	750	94.9	71,200	139.6	150	72.7	10,900	30.4
MARIES	2,700	85.2	230,000	409.5	1,500	57.7	86,500	223.1
MARION	31,500	115.5	3,638,000	6,585.0	29,900	51.7	1,547,000	4,161.0
MERCER	22,600	105.7	2,388,000	4,179.0	17,500	63.2	1,106,000	2,832.0
MILLER	3,100	89.0	276,000	491.3	2,800	93.9	263,000	678.4
MISSISSIPPI	39,700	121.5	4,824,000	9,551.0	56,100	105.9	5,941,000	16,516.0
MONITEAU	8,800	102.0	898,000	1,599.0	9,300	69.2	644,000	1,662.0
MONROE	22,200	98.0	2,176,000	3,939.0	17,600	43.3	762,000	2,050.0
MONTGOMERY	31,000	124.7	3,865,000	7,227.0	30,500	78.0	2,379,000	6,425.0
MORGAN	4,900	96.1	471,000	838.4	3,300	86.4	285,000	735.2
NEW MADRID	29,000	135.9	3,940,000	7,801.0	44,900	127.0	5,702,000	15,852.0
NEWTON	500	77.6	38,800	76.4	600	49.7	29,800	83.4
NODAWAY	101,500	109.7	11,135,000	19,792.0	96,000	61.9	5,946,000	15,281.0
OREGON	100	80.0	8,000	15.7	100	62.0	6,200	17.3
OSAGE	8,600	107.1	921,000	1,639.0	6,600	85.6	565,000	1,458.0
OZARK	150	76.0	11,400	22.3	100	47.0	4,700	13.1
PEMISCOT	10,300	125.9	1,297,000	2,568.0	13,900	114.2	1,587,000	4,412.0
PERRY	26,500	110.9	2,939,000	5,496.0	25,400	78.0	1,981,000	5,350.0
PETTIS	27,200	102.9	2,799,000	4,982.0	24,500	75.0	1,837,000	4,740.0
PHELPS	2,400	92.1	221,000	393.4	600	81.7	49,000	126.4
PIKE	45,000	101.4	4,563,000	8,259.0	40,200	76.0	3,055,000	8,218.0
PLATTE	18,400	109.8	2,020,000	3,591.0	21,500	72.6	1,560,000	4,009.0
POLK	1,100	72.5	79,800	142.1	1,000	76.9	76,900	198.3
PULASKI	1,000	80.0	80,000	142.5	600	76.8	46,100	118.9
PUTNAM	16,000	108.2	1,731,000	3,029.0	9,000	60.4	544,000	1,393.0
RALLS	21,300	100.5	2,141,000	3,875.0	21,500	58.0	1,248,000	3,357.0
RANDOLPH	14,000	110.4	1,546,000	2,706.0	13,000	46.5	604,000	1,546.0
RAY	26,100	108.2	2,824,000	5,020.0	22,500	87.1	1,960,000	5,037.0
REYNOLDS	450	78.0	35,100	68.8	300	49.7	14,900	41.6
RIPLEY	200	77.0	15,400	30.2	200	62.0	12,400	34.6
ST CHARLES	41,900	129.5	5,426,000	10,147.0	41,500	96.5	4,003,000	10,810.0
ST CLAIR	4,800	104.8	503,000	905.6	5,100	97.6	498,000	1,305.0
STE GENEVIEVE	13,900	116.5	1,620,000	3,029.0	12,900	77.0	993,000	2,682.0
ST FRANCOIS	4,100	89.0	365,000	682.7	2,400	66.7	160,000	432.2
ST LOUIS	4,600	120.0	552,000	1,032.0	4,400	92.3	406,000	1,096.0
SALINE	92,400	130.3	12,040,000	21,431.0	89,000	92.3	8,211,000	21,184.0
SCHUYLER	12,600	104.2	1,313,000	2,298.0	9,000	39.0	351,000	899.0
SCOTLAND	38,700	78.9	3,053,000	5,526.0	29,500	33.8	996,000	2,679.0
SCOTT	50,100	133.0	6,663,000	13,193.0	42,500	107.2	4,557,000	12,668.0
SHANNON	150	74.0	11,100	21.8	100	52.0	5,200	14.5
SHELBY	30,900	123.8	3,825,000	6,923.0	30,000	32.7	982,000	2,642.0
STODDARD	71,500	133.6	9,550,000	18,909.0	89,900	125.1	11,246,000	31,264.0
STONE	100	71.0	7,100	14.0	100	60.0	6,000	16.8
SULLIVAN	17,200	109.9	1,891,000	3,309.0	11,500	46.4	534,000	1,367.0
TANEY	50	70.0	3,500	6.9				
TEXAS	550	79.8	43,900	86.0	400	82.5	33,000	92.1
VERNON	16,600	99.2	1,646,000	2,963.0	16,900	92.7	1,566,000	4,103.0
WARREN	20,900	120.8	2,525,000	4,722.0	20,700	72.9	1,508,000	4,072.0
WASHINGTON	600	76.7	46,000	86.1	200	66.5	13,300	35.9
WAYNE	1,600	86.3	138,000	270.6	1,400	53.9	75,400	210.5
WEBSTER	700	80.0	56,000	109.8	900	72.6	65,300	182.3
WORTH	15,500	112.6	1,745,000	3,102.0	13,000	40.6	528,000	1,357.0
WRIGHT	350	76.0	26,600	52.1	200	52.0	10,400	29.0
DISTRICTS								
NORTHWEST	576,000	114.0	65,664,000	116,718.0	540,000	68.5	36,963,000	94,995.0
NORTH CENTRAL	272,000	114.0	31,008,000	54,264.0	240,000	60.0	14,400,000	36,864.0
NORTHEAST	346,000	102.8	35,575,000	64,391.0	307,000	49.0	15,043,000	40,466.0
WEST CENTRAL	191,000	107.0	20,437,000	36,787.0	184,000	93.0	17,112,000	44,833.0
CENTRAL	254,000	114.0	28,956,000	51,542.0	225,000	82.0	18,450,000	47,601.0
EAST CENTRAL	226,000	116.0	26,216,000	49,024.0	204,000	79.0	16,116,000	43,522.0
SOUTHWEST	16,000	103.0	1,648,000	3,247.0	15,000	78.0	1,170,000	3,276.0
SOUTH CENTRAL	14,000	94.0	1,316,000	2,579.0	14,000	78.0	1,092,000	3,047.0
SOUTHEAST	255,000	126.0	32,130,000	63,617.0	291,000	114.0	33,174,000	92,224.0
STATE	2,150,000	113.0	242,950,000	442,169.0	2,020,000	76.0	153,520,000	406,828.0

1988 CORN FOR GRAIN PRODUCTION,

By Counties

TOP TEN COUNTIES

Stoddard	11,246,000 bu.
Atchison	8,251,000 bu.
Saline	8,211,000 bu.
Lafayette	6,772,000 bu.
Nodaway	5,946,000 bu.
Mississippi	5,941,000 bu.
Holt	5,731,000 bu.
New Madrid	5,702,000 bu.
Scott	4,557,000 bu.
St. Charles	4,003,000 bu.

These top 10 counties represent 43% of the State's total production.

2,000,000 bu. and above

1,000,000-1,999,999 bu.

100,000-999,999 bu.

Under 100,000 bu.

CORN FOR SILAGE: By Districts, Missouri, 1987-88

District	1987 Harvested Acres	1987 Yield	1987 Production	1988 Harvested Acres	1988 Yield	1988 Production
	-thous-	-tons-	-thous tons-	-thous-	-tons-	-thous tons-
Northwest	13.0	14.6	190	34.0	6.8	230
North Central	13.0	13.9	18	30.0	7.1	213
Northeast	11.0	13.9	153	36.0	8.1	290
West Central	10.0	15.2	152	10.0	10.5	105
Central	15.0	13.0	195	24.0	9.0	216
East Central	9.0	16.3	147	9.0	9.3	84
Southwest	3.5	11.4	40	3.0	7.7	23
South Central	3.5	10.6	37	2.0	7.0	14
Southeast	2.0	12.5	25	2.0	12.5	25
State	**80.0**	**14.0**	**1,120**	**150.0**	**8.0**	**1,200**

CORN FOR GRAIN: Distribution Percentage by Row Width, Missouri, 1984-88 1/

Year	Number of Samples	Row Width (Inches) 30.5 & less	30.6-32.5	32.6-34.5	34.6-36.5	36.6-38.5	38.6-40.5	40.6 & Greater	Average Row Width
		-percent of samples-							-inches-
1984	122	28.7	14.7	0.8	13.9	27.1	11.5	3.3	34.5
1985	129	38.0	19.4	3.1	11.6	18.6	9.3	0.0	33.2
1986	127	32.3	19.7	1.6	10.2	25.2	11.0	0.0	33.8
1987	121	33.1	20.7	0.0	14.9	25.6	5.8	0.0	33.6
1988	**102**	**28.4**	**12.8**	**2.9**	**17.7**	**25.5**	**11.8**	**1.0**	**34.3**

1/ Based on Corn Objective Yield Survey. Data reflects trends in cropping practices, but are not official Agricultural Board estimates.

1988 WHEAT PRODUCTION,

By Counties

TOP TEN COUNTIES

Stoddard	3,590,000 bu.
Pemiscot	3,362,000 bu.
New Madrid	3,140,000 bu.
Audrain	3,047,000 bu.
Barton	2,393,000 bu.
Carroll	2,317,000 bu.
Mississippi	2,162,000 bu.
Scott	2,039,000 bu.
Dunklin	1,938,000 bu.
Vernon	1,887,000 bu.

These top 10 counties represent 33.4% of the State's total production.

1,000,000 bu. and above

500,000-999,999 bu.

50,000 - 499,999 bu.

Under 50,000 bu.

WHEAT:

Varieties By Districts, Missouri, 1988 Crop

Class & Variety	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
					-percent-					
Hard Red Winter										
Total hard	19.7	2.7	0.2	---	0.8	0.4	2.1	---	---	**2.6**
Soft Red Winter										
Caldwell	60.7	77.2	71.0	65.3	66.0	79.2	54.9	45.0	70.2	**68.0**
Pioneer 1/	10.5	12.6	11.5	10.5	18.8	4.7	15.8	5.0	4.4	**10.4**
Pike	2.2	1.6	3.3	8.4	3.3	3.8	2.7	---	1.0	**3.0**
Arthur 71	2.2	2.3	1.8	3.6	2.9	8.5	16.3	25.0	7.0	**5.7**
Coker 1/	---	0.5	1.0	1.1	0.8	1.8	7.6	15.0	12.3	**4.3**
Hart	3.0	2.8	2.1	3.5	6.1	0.6	0.6	---	---	**2.2**
Other soft	1.7	0.3	9.1	7.6	1.3	1.0	---	10.0	5.1	**3.8**
Total soft	80.3	97.3	99.8	100.0	99.2	99.6	97.9	100.0	100.0	**97.4**

1/ Private company variety.

WHEAT:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	1,400	40.7	57,000	137.4	4,500	41.6	187,000	630.4
ANDREW	4,200	44.0	185,000	453.8	4,600	38.5	177,000	598.3
ATCHISON	1,300	47.5	61,700	151.3	2,100	40.3	84,600	286.0
AUDRAIN	21,500	54.1	1,164,000	2,887.0	56,100	54.3	3,047,000	10,599.0
BARRY	1,500	46.5	69,700	174.2	1,300	38.3	49,800	168.8
BARTON	26,300	35.7	938,000	2,345.0	47,800	50.1	2,393,000	8,112.0
BATES	9,300	39.9	371,000	931.3	34,800	52.7	1,833,000	6,269.0
BENTON	2,000	39.5	79,000	194.3	5,800	50.7	294,000	1,003.0
BOLLINGER	5,800	42.2	245,000	614.9	4,200	41.4	174,000	600.3
BOONE	8,200	45.4	372,000	915.1	20,000	49.7	994,000	3,389.0
BUCHANAN	4,600	40.9	188,000	461.1	10,200	51.4	524,000	1,771.0
BUTLER	17,700	51.1	904,000	2,350.0	18,600	52.5	976,000	3,445.0
CALDWELL	4,100	44.4	182,000	446.4	14,500	44.8	649,000	2,194.0
CALLAWAY	11,100	46.9	521,000	1,282.0	26,700	51.5	1,375,000	4,689.0
CAMDEN	150	44.0	6,600	16.2	50	38.0	1,900	6.5
CAPE GIRARDEAU	14,600	46.0	671,000	1,745.0	18,000	46.5	837,000	2,954.0
CARROLL	6,700	42.8	287,000	691.7	45,800	50.6	2,317,000	7,808.0
CARTER	150	37.3	5,600	14.1	100	37.0	3,700	12.8
CASS	3,700	41.4	153,000	[illegible].0	13,500	51.0	689,000	2,356.0
CEDAR	1,200	38.3	46,000	115.5	3,000	41.0	123,000	421.0
CHARITON	6,900	52.2	360,000	867.6	32,500	53.7	1,745,000	5,880.0
CHRISTIAN	550	37.8	20,800	52.0	700	45.3	31,700	107.4
CLARK	5,400	39.3	212,000	525.8	10,200	46.2	471,000	1,638.0
CLAY	3,400	44.7	152,000	372.8	6,000	46.2	277,000	936.3
CLINTON	3,300	36.4	120,000	294.4	5,900	48.8	288,000	973.4
COLE	2,400	40.7	97,600	240.1	4,700	49.8	234,000	798.0
COOPER	16,000	43.0	688,000	1,693.0	32,000	54.9	1,756,000	5,988.0
CRAWFORD	300	30.0	9,000	23.0	300	30.7	9,200	32.1
DADE	9,200	35.1	323,000	807.5	20,200	41.7	843,000	2,858.0
DALLAS	400	42.0	16,800	41.3	100	45.0	4,500	15.3
DAVIESS	4,100	41.7	171,000	419.4	16,500	45.8	756,000	2,555.0
DEKALB	3,100	45.2	140,000	343.4	8,200	43.8	359,000	1,213.0
DENT	300	39.0	11,700	29.3	300	37.0	11,100	38.3
DOUGLAS	200	37.0	7,400	18.6	150	40.0	6,000	20.7
DUNKLIN	37,400	45.1	1,687,000	4,386.0	40,700	47.6	1,938,000	6,841.0
FRANKLIN	9,600	41.1	395,000	1,007.0	12,100	45.3	548,000	1,913.0
GASCONADE	2,800	42.9	120,000	306.0	4,000	47.5	190,000	662.9
GENTRY	4,200	42.1	177,000	434.2	9,000	39.4	355,000	1,200.0
GREENE	1,900	44.6	84,700	211.7	1,100	43.8	48,200	163.4
GRUNDY	2,600	46.5	121,000	291.6	10,100	47.3	478,000	1,611.0
HARRISON	3,200	41.3	132,000	323.8	7,300	39.5	288,000	973.4
HENRY	5,300	36.2	192,000	481.9	15,300	51.2	783,000	2,678.0
HICKORY	800	37.5	30,000	73.8	650	32.3	21,000	71.6
HOLT	3,300	43.6	144,000	353.2	4,000	41.5	166,000	561.1
HOWARD	8,400	44.5	374,000	919.9	18,300	50.8	930,000	3,171.0
HOWELL	1,200	44.7	53,600	134.5	500	38.0	19,000	65.5
IRON	50	40.0	2,000	5.0	100	38.0	3,800	13.1
JACKSON	4,200	48.6	204,000	512.1	12,800	48.3	618,000	2,114.0
JASPER	17,700	33.3	589,000	1,473.0	28,800	41.5	1,194,000	4,048.0
JEFFERSON	2,700	37.0	100,000	255.0	2,600	49.6	129,000	450.1
JOHNSON	3,600	43.9	158,000	396.6	13,600	53.6	729,000	2,493.0
KNOX	6,100	42.8	261,000	647.3	16,300	48.8	796,000	2,769.0
LACLEDE	500	43.2	21,600	53.1	350	42.0	14,700	50.1
LAFAYETTE	8,800	55.6	489,000	1,227.0	26,100	61.8	1,614,000	5,520.0
LAWRENCE	6,700	34.2	229,000	572.5	8,200	43.5	357,000	1,210.0
LEWIS	7,900	46.5	367,000	910.1	20,100	48.9	983,000	3,420.0
LINCOLN	16,000	54.7	875,000	2,232.0	29,800	48.1	1,433,000	5,001.0
LINN	3,300	41.5	137,000	330.2	14,000	51.6	723,000	2,437.0
LIVINGSTON	4,200	46.4	195,000	470.0	22,700	51.1	1,160,000	3,909.0
MCDONALD	400	37.3	14,900	37.3	350	35.4	12,400	42.0

WHEAT:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
MACON	3,600	41.4	149,000	359.1	15,200	45.1	686,000	2,312.0
MADISON	200	37.0	7,400	18.6	300	43.0	12,900	44.5
MARIES	1,200	30.1	36,100	88.8	1,300	41.0	53,300	181.8
MARION	8,700	48.9	425,000	1,054.0	25,100	51.6	1,294,000	4,501.0
MERCER	1,000	44.4	44,400	107.0	1,700	35.2	59,800	201.5
MILLER	1,400	36.9	51,700	127.2	1,200	40.9	49,100	167.4
MISSISSIPPI	29,900	45.6	1,364,000	3,546.0	37,800	57.2	2,162,000	7,632.0
MONITEAU	4,900	41.0	201,000	494.4	12,500	46.6	583,000	1,988.0
MONROE	12,700	44.6	566,000	1,403.0	30,800	51.7	1,591,000	5,534.0
MONTGOMERY	17,100	54.0	924,000	2,356.0	30,900	49.4	1,526,000	5,326.0
MORGAN	2,500	46.0	115,000	282.9	4,900	50.2	246,000	838.9
NEW MADRID	40,500	52.1	2,110,000	5,486.0	60,200	52.2	3,140,000	11,084.0
NEWTON	3,700	38.9	144,000	360.0	8,500	39.3	334,000	1,132.0
NODAWAY	3,200	40.3	129,000	316.4	6,400	40.5	259,000	875.4
OREGON	1,800	39.1	70,300	176.4	400	37.0	14,800	51.1
OSAGE	3,100	43.5	135,000	332.0	3,100	43.5	135,000	460.4
OZARK	50	38.0	1,900	4.8	50	36.0	1,800	6.2
PEMISCOT	38,300	48.6	1,860,000	4,836.0	63,000	53.4	3,362,000	11,868.0
PERRY	13,000	41.9	545,000	1,390.0	18,800	46.6	876,000	3,057.0
PETTIS	10,900	44.0	480,000	1,181.0	28,700	51.5	1,478,000	5,040.0
PHELPS	750	34.9	26,200	64.5	400	37.0	14,800	50.5
PIKE	13,600	57.7	785,000	1,947.0	30,900	48.4	1,496,000	5,204.0
PLATTE	5,300	46.6	247,000	605.9	15,000	45.7	686,000	2,319.0
POLK	1,400	42.1	58,900	144.9	1,200	40.7	48,800	166.4
PULASKI	200	37.5	7,500	18.5	150	39.3	5,900	20.1
PUTNAM	500	44.8	22,400	54.0	1,000	39.2	39,200	132.1
RALLS	10,500	51.3	539,000	1,337.0	30,000	48.8	1,464,000	5,093.0
RANDOLPH	3,100	41.0	127,000	306.1	18,400	51.6	950,000	3,202.0
RAY	6,400	45.2	289,000	708.9	24,200	48.0	1,162,000	3,928.0
REYNOLDS	150	36.0	5,400	13.5	250	34.4	8,600	29.7
RIPLEY	2,900	39.0	113,000	283.6	2,700	38.5	104,000	358.8
ST CHARLES	13,400	44.9	602,000	1,535.0	22,800	46.7	1,065,000	3,717.0
ST CLAIR	4,100	38.0	156,000	391.6	16,900	51.8	876,000	2,996.0
STE GENEVIEVE	6,100	43.9	268,000	683.3	7,600	52.1	396,000	1,382.0
ST FRANCOIS	1,100	40.2	44,200	112.7	800	45.4	36,300	126.7
ST LOUIS	5,200	47.7	248,000	632.3	7,200	53.8	387,000	1,351.0
SALINE	10,700	47.7	510,000	1,254.0	28,900	58.6	1,693,000	5,773.0
SCHUYLER	600	42.2	25,300	61.0	2,500	40.0	100,000	337.0
SCOTLAND	2,200	41.8	92,000	228.2	5,700	46.3	264,000	918.0
SCOTT	37,900	47.7	1,806,000	4,696.0	42,200	48.3	2,039,000	7,198.0
SHANNON	100	34.0	3,400	8.5	100	34.0	3,400	11.7
SHELBY	7,400	52.6	389,000	964.6	25,800	54.1	1,396,000	4,856.0
STODDARD	51,700	52.8	2,730,000	7,098.0	66,500	54.0	3,590,000	12,673.0
STONE	50	38.0	1,900	4.8	50	38.0	1,900	6.4
SULLIVAN	1,100	45.4	49,900	120.3	2,600	40.4	105,000	354.0
TANEY	100	34.0	3,400	8.5	100	36.0	3,600	12.4
TEXAS	950	39.1	37,100	93.1	1,000	38.8	38,800	133.9
VERNON	9,800	44.0	431,000	1,082.0	40,000	47.2	1,887,000	6,453.0
WARREN	7,600	43.6	331,000	844.0	13,000	46.2	601,000	2,097.0
WASHINGTON	100	38.0	3,800	9.7	100	35.0	3,500	12.2
WAYNE	1,400	34.1	47,800	119.9	1,300	44.1	57,300	197.7
WEBSTER	400	38.0	15,200	38.1	250	39.2	9,800	33.8
WORTH	1,300	36.4	47,300	116.0	1,100	40.4	44,400	150.1
WRIGHT	250	39.2	9,800	24.6	200	37.0	7,400	25.5
DISTRICTS								
NORTHWEST	55,000	43.0	2,365,000	5,801.0	135,000	45.0	6,075,000	20,534.0
NORTH CENTRAL	35,000	45.0	1,575,000	3,796.0	171,000	50.0	8,550,000	28,814.0
NORTHEAST	96,000	50.0	4,800,000	11,904.0	251,000	51.0	12,802,000	44,532.0
WEST CENTRAL	50,000	44.0	2,200,000	5,522.0	176,000	52.0	9,152,000	31,300.0
CENTRAL	87,000	44.0	3,828,000	9,417.0	191,000	52.0	9,932,000	33,868.0
EAST CENTRAL	95,000	47.0	4,465,000	11,386.0	150,000	48.0	7,200,000	25,128.0
SOUTHWEST	68,000	35.5	2,415,000	6,038.0	117,000	45.0	5,265,000	17,848.0
SOUTH CENTRAL	16,000	40.0	640,000	1,606.0	12,000	40.0	480,000	1,656.0
SOUTHEAST	268,000	49.0	13,132,000	34,143.0	347,000	52.0	18,044,000	63,695.0
STATE	770,000	46.0	35,420,000	89,613.0	1,550,000	50.0	77,500,000	267,375.0

SORGHUM:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	550	89.1	49,000	66.2	100	54.0	5,400	12.2
ANDREW	3,500	89.1	312,000	430.6	1,600	59.2	94,700	214.0
ATCHISON	1,100	81.8	90,000	124.2	100	61.0	6,100	13.8
AUDRAIN	36,000	100.0	3,600,000	5,148.0	21,500	70.0	1,504,000	3,517.0
BARRY	1,200	60.0	72,000	112.9	200	52.5	10,500	25.1
BARTON	23,100	83.9	1,937,000	3,037.0	18,200	88.7	1,614,000	3,857.0
BATES	17,900	85.8	1,536,000	2,212.0	12,700	94.7	1,203,000	2,815.0
BENTON	3,900	103.1	402,000	558.8	3,600	93.1	335,000	764.0
BOLLINGER	7,400	83.5	618,000	951.9	4,600	75.7	348,000	842.2
BOONE	3,800	76.6	291,000	404.5	1,600	73.8	118,000	269.0
BUCHANAN	3,000	86.3	259,000	357.5	1,400	65.5	91,700	207.3
BUTLER	29,000	58.1	1,685,000	2,730.0	33,000	75.3	2,485,000	6,212.0
CALDWELL	3,500	71.4	250,000	345.0	1,800	66.1	119,000	269.0
CALLAWAY	6,900	87.4	603,000	838.2	6,700	82.4	552,000	1,259.0
CAMDEN	450	80.0	36,000	50.0	0	0.0	0	0.0
CAPE GIRARDEAU	10,100	72.1	728,000	1,179.0	5,000	70.4	352,000	880.0
CARROLL	4,900	84.7	415,000	560.3	1,500	67.3	101,000	227.2
CARTER	350	57.1	20,000	30.8	0	0.0	0	0.0
CASS	10,000	78.8	788,000	1,135.0	7,000	77.3	541,000	1,266.0
CEDAR	1,100	62.7	69,000	99.3	900	83.6	75,200	175.9
CHARITON	6,000	89.7	538,000	726.3	2,000	71.0	142,000	319.5
CHRISTIAN	250	80.0	20,000	31.4	50	50.0	2,500	6.0
CLARK	900	77.8	70,000	100.1	100	55.0	5,500	12.9
CLAY	2,300	91.3	210,000	289.8	1,300	73.6	95,700	216.3
CLINTON	4,600	91.3	420,000	579.6	700	67.3	47,100	106.5
COLE	1,300	70.0	91,000	126.5	700	75.9	53,100	121.1
COOPER	7,300	87.4	638,000	886.8	2,300	74.8	172,000	392.2
CRAWFORD	550	87.3	48,000	72.5	200	64.5	12,900	31.0
DADE	4,800	80.8	388,000	609.0	4,900	75.5	370,000	884.3
DALLAS	900	83.3	75,000	104.3	0	0.0	0	0.0
DAVIESS	5,100	90.2	460,000	634.8	3,900	53.1	207,000	467.8
DEKALB	5,900	90.2	532,000	734.2	1,500	62.5	93,800	212.0
DENT	250	68.0	17,000	26.2	50	48.0	2,400	5.8
DOUGLAS	450	68.9	31,000	47.7	50	42.0	2,100	5.1
DUNKLIN	28,000	90.1	2,524,000	4,089.0	27,800	82.5	2,294,000	5,735.0
FRANKLIN	3,100	75.2	233,000	351.8	1,700	65.3	111,000	266.4
GASCONADE	1,800	61.7	111,000	167.6	1,300	52.0	67,600	162.3
GENTRY	4,100	83.4	342,000	472.0	1,700	54.6	92,900	210.0
GREENE	750	74.7	56,000	87.8	100	54.0	5,400	12.9
GRUNDY	4,800	92.5	444,000	599.4	3,300	68.8	227,000	510.7
HARRISON	4,700	85.3	401,000	553.4	1,200	53.3	64,000	144.7
HENRY	15,000	89.8	1,347,000	1,940.0	15,500	93.6	1,451,000	3,395.0
HICKORY	600	83.3	50,000	69.5	600	59.8	35,900	81.9
HOLT	2,700	94.1	254,000	350.6	300	62.3	18,700	42.3
HOWARD	3,200	78.4	251,000	348.9	650	64.0	41,600	94.8
HOWELL	350	57.1	20,000	30.8	100	68.0	6,800	16.5
IRON	250	72.0	18,000	27.7	50	56.0	2,800	6.8
JACKSON	4,300	86.7	373,000	536.9	2,400	86.3	207,000	484.2
JASPER	13,400	81.9	1,097,000	1,720.0	7,700	85.8	661,000	1,580.0
JEFFERSON	850	68.2	58,000	87.6	650	56.3	36,600	87.8
JOHNSON	17,200	81.8	1,407,000	2,026.0	9,400	82.3	774,000	1,811.0
KNOX	2,800	82.5	231,000	330.4	800	57.0	45,600	106.7
LACLEDE	700	80.0	56,000	77.8	100	53.0	5,300	12.1
LAFAYETTE	4,300	71.9	309,000	444.8	600	94.7	56,800	132.9
LAWRENCE	3,200	55.0	176,000	276.0	2,700	53.3	144,000	344.1
LEWIS	3,000	85.3	256,000	366.1	600	49.0	29,400	68.8
LINCOLN	2,900	101.7	295,000	445.4	1,800	68.3	123,000	295.2
LINN	4,700	100.6	473,000	638.5	2,100	63.8	134,000	301.5
LIVINGSTON	5,100	94.5	482,000	650.7	5,300	62.6	332,000	747.0
MCDONALD	250	76.0	19,000	29.8	50	46.0	2,300	5.5

SORGHUM:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
MACON	3,700	99.5	368,000	496.8	2,400	50.4	121,000	272.2
MADISON	450	77.8	35,000	53.9	150	54.7	8,200	19.9
MARIES	700	78.6	55,000	76.5	350	61.7	21,600	49.2
MARION	5,600	81.1	454,000	649.4	2,200	41.3	90,900	212.6
MERCER	1,500	96.7	145,000	195.8	450	56.7	25,500	57.3
MILLER	700	70.0	49,000	68.1	400	72.0	28,800	65.7
MISSISSIPPI	21,600	80.1	1,731,000	2,804.0	12,200	85.4	1,042,000	2,605.0
MONITEAU	4,600	68.7	316,000	439.2	2,400	73.3	176,000	401.3
MONROE	21,100	89.0	1,878,000	2,685.0	16,700	69.9	1,168,000	2,732.0
MONTGOMERY	3,700	89.7	332,000	501.2	1,900	67.4	128,000	307.2
MORGAN	2,500	67.6	169,000	234.9	1,200	83.3	100,000	228.0
NEW MADRID	52,100	90.2	4,697,000	7,609.0	53,900	96.8	5,218,000	13,045.0
NEWTON	1,800	75.6	136,000	213.3	1,100	54.8	60,300	144.1
NODAWAY	2,900	87.2	253,000	349.2	200	54.0	10,800	24.4
OREGON	150	66.7	10,000	15.4	0	0.0	0	0.0
OSAGE	1,500	80.7	121,000	168.2	1,500	71.3	107,000	244.0
OZARK	150	66.7	10,000	15.4	0	0.0	0	0.0
PEMISCOT	34,200	88.1	3,014,000	4,883.0	21,300	87.2	1,857,000	4,643.0
PERRY	2,200	80.9	178,000	268.8	1,400	68.0	95,200	228.5
PETTIS	17,400	89.4	1,556,000	2,163.0	14,000	84.6	1,184,000	2,699.0
PHELPS	700	58.6	41,000	57.0	200	61.5	12,300	28.0
PIKE	8,200	85.4	700,000	1,001.0	4,500	82.4	371,000	867.7
PLATTE	4,700	68.5	322,000	444.4	2,200	69.1	152,000	343.5
POLK	1,000	74.0	74,000	102.9	350	64.0	22,400	51.1
PULASKI	250	84.0	21,000	29.2	50	60.0	3,000	6.8
PUTNAM	500	100.0	50,000	67.5	100	55.0	5,500	12.4
RALLS	10,200	104.0	1,061,000	1,517.0	6,600	77.9	514,000	1,202.0
RANDOLPH	2,300	94.8	218,000	294.3	1,000	60.9	60,900	137.0
RAY	6,800	74.4	506,000	698.3	2,000	80.5	161,000	364.0
REYNOLDS	350	77.1	27,000	41.6	150	58.7	8,800	21.3
RIPLEY	6,800	79.7	542,000	834.9	5,500	68.7	378,000	914.8
ST CHARLES	1,050	76.2	80,000	120.8	950	85.3	81,000	194.4
ST CLAIR	10,100	87.8	887,000	1,277.0	7,200	81.5	587,000	1,374.0
STE GENEVIEVE	1,200	74.2	89,000	134.4	750	60.4	45,300	108.7
ST FRANCOIS	750	68.0	51,000	77.0	450	53.8	24,200	58.1
ST LOUIS	450	73.3	33,000	49.8	100	71.0	7,100	17.0
SALINE	4,600	58.9	271,000	376.7	1,300	84.6	110,000	250.8
SCHUYLER	350	88.6	31,000	41.9	50	58.0	2,900	6.5
SCOTLAND	900	95.6	86,000	123.0	100	56.0	5,600	13.1
SCOTT	20,300	86.2	1,749,000	2,833.0	12,000	87.5	1,050,000	2,625.0
SHANNON	150	80.0	12,000	18.5	0	0.0	0	0.0
SHELBY	11,300	103.0	1,164,000	1,665.0	5,900	47.1	278,000	650.2
STODDARD	53,700	85.1	4,572,000	7,407.0	36,800	88.0	3,238,000	8,095.0
STONE	250	76.0	19,000	29.8	0	0.0	0	0.0
SULLIVAN	1,600	84.4	135,000	182.3	700	56.9	39,800	89.5
TANEY	550	67.3	37,000	57.0	50	54.0	2,700	6.5
TEXAS	550	78.2	43,000	66.2	100	71.0	7,100	17.2
VERNON	26,100	83.8	2,188,000	3,151.0	17,300	92.6	1,602,000	3,749.0
WARREN	1,200	75.8	91,000	137.4	750	60.7	45,500	109.2
WASHINGTON	250	84.0	21,000	31.7	50	52.0	2,600	6.2
WAYNE	2,200	67.3	148,000	228.0	1,100	61.2	67,300	162.9
WEBSTER	250	76.0	19,000	29.3	50	64.0	3,200	7.7
WORTH	1,100	84.5	93,000	128.4	100	55.0	5,500	12.4
WRIGHT	350	88.6	31,000	47.7	50	52.0	2,600	6.3
DISTRICTS								
NORTHWEST	56,000	84.0	4,704,000	6,492.0	20,000	63.0	1,260,000	2,848.0
NORTH CENTRAL	36,000	93.0	3,348,000	4,520.0	19,000	63.0	1,197,000	2,693.0
NORTHEAST	100,000	95.0	9,500,000	13,585.0	59,000	68.0	4,012,000	9,383.0
WEST CENTRAL	106,000	84.0	8,904,000	12,822.0	73,000	89.0	6,497,000	15,203.0
CENTRAL	63,000	82.0	5,166,000	7,181.0	38,000	81.0	3,078,000	7,018.0
EAST CENTRAL	20,000	81.0	1,620,000	2,446.0	12,000	65.0	780,000	1,872.0
SOUTHWEST	49,000	80.0	3,920,000	6,147.0	35,000	82.0	2,870,000	6,859.0
SOUTH CENTRAL	21,000	78.0	1,638,000	2,523.0	12,000	70.0	840,000	2,033.0
SOUTHEAST	249,000	83.1	20,700,000	33,534.0	202,000	86.8	17,536,000	43,840.0
STATE	700,000	85.0	59,500,000	89,250.0	470,000	81.0	38,070,000	91,749.0

1988 SORGHUM FOR GRAIN PRODUCTION,

By Counties

TOP TEN COUNTIES

New Madrid	5,218,000 bu.
Stoddard	3,038,000 bu.
Butler	2,485,000 bu.
Dunklin	2,294,000 bu.
Pemiscot	1,857,000 bu.
Barton	1,614,000 bu.
Vernon	1,602,000 bu.
Audrain	1,504,000 bu.
Henry	1,451,000 bu.
Bates	1,203,000 bu.

These top 10 counties represent 59% of the State's total production.

1,000,000 bu. and above

100,000-999,999 bu.

10,000 - 99,999 bu.

Under 10,000 bu.

TOBACCO:

Acreage, Yield and Production by Counties, Missouri, 1987-1988

County	1987 Harvested	1987 Yield	1987 Production	1988 Harvested	1988 Yield	1988 Production
	-acres-	-lbs-	-lbs-	-acres-	-lbs-	-lbs-
Boone	29	1,870	54,300	34	1,915	65,100
Buchanan	200	1,995	399,000	470	2,100	987,100
Chariton	100	2,170	217,000	94	2,175	204,400
Clay	16	1,865	29,800	20	1,920	38,400
Clinton	30	2,085	62,600	25	1,944	48,600
Howard	155	2,190	339,700	160	2,220	355,200
Platte	1,120	2,070	2,320,000	1,250	2,095	2,620,000
Others	50	1,930	96,600	47	1,940	91,200
State	**1,700**	**2,070**	**3,519,000**	**2,100**	**2,100**	**4,410,000**

COTTON:

Acreage, Yield and Production by Counties, Missouri, 1987-1988

County	1987 Planted	1987 Harvested	1987 Yield	1987 Production	1988 Planted	1988 Harvested	1988 Yield	1988 Production
	-acres-		-lbs-	-480 lb bales-	-acres-		-lbs-	-480 lb bales-
Butler	920	920	678	1,300	1,280	1,240	488	1,260
Dunklin	85,500	85,100	831	147,400	106,400	104,900	596	130,200
Mississippi	280	280	686	400	370	360	520	390
New Madrid	52,000	51,800	836	90,200	62,450	61,800	655	84,300
Pemiscot	36,200	36,000	888	66,600	51,100	50,600	621	65,500
Scott	5,400	5,400	809	9,100	6,000	5,900	655	8,050
Stoddard	9,700	9,500	758	15,000	12,400	12,200	641	16,300
State	**190,000**	**189,000**	**838**	**330,000**	**240,000**	**237,000**	**620**	**306,000**

COTTON: Varieties Planted, Missouri, 1984-88

Year	Stoneville 112	Stoneville 213	Stoneville 506	Stoneville 825	Deltapine 20	Deltapine 41	Deltapine 50	Deltapine 55	Delta pine 61	Coker 304	Coker 310	Coker 3131	All Other Varieties
							-percent-						
1984	–	1	33	33	–	10	–	4	8	2	3	–	6
1985	–	1	38	24	–	11	5	3	6	3	–	–	9
1986	5	3	40	19	3	8	14	1	5	*	1	1	*
1987	1	0	39	16	10	3	28	0	*	*	0	2	1
1988	*	–	27	16	12	–	42	–	–	–	–	1	2

*Less than .5%
Source: U.S. Department of Agriculture, Agricultural Marketing Service, Cotton Division.

RICE:

Acreage, Yield and Production by Counties, Missouri, 1987-88

County	1987 Planted	1987 Harvested	1987 Yield	1987 Production	1988 Planted	1988 Harvested	1988 Yield	1988 Production
	-acres-		-lbs-	-cwt-	-acres-		-lbs-	-cwt-
Butler	39,400	39,300	5,370	2,110,400	45,900	45,700	4,950	2,264,000
Stoddard	21,800	21,200	5,500	1,166,000	28,100	27,800	5,440	1,511,200
Others	5,800	5,500	5,230	287,600	9,000	8,500	4,790	406,800
State	**67,000**	**66,000**	**5,400**	**3,564,000**	**83,000**	**82,000**	**5,100**	**4,182,000**

RICE: Varieties Planted, Missouri, 1987-88

Year	Lemont	Tebonnet	Gulfmont	Lebonnet	Newbonnet	Labelle	Newrex	Starbonnet	Other*
				-percent of acreage-					
1987	59	17	—	7	6	5	2	2	2
1988	**63**	**16**	**9**	**5**	**2**	**2**	—	—	**3**

* Other varieties reported in 1987 include Gulfmont, Skybonnet and Mars. Other varieties reported in 1988 include Rexmont, Bond, CB801, Skybonnet, and Mars.

HAY:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

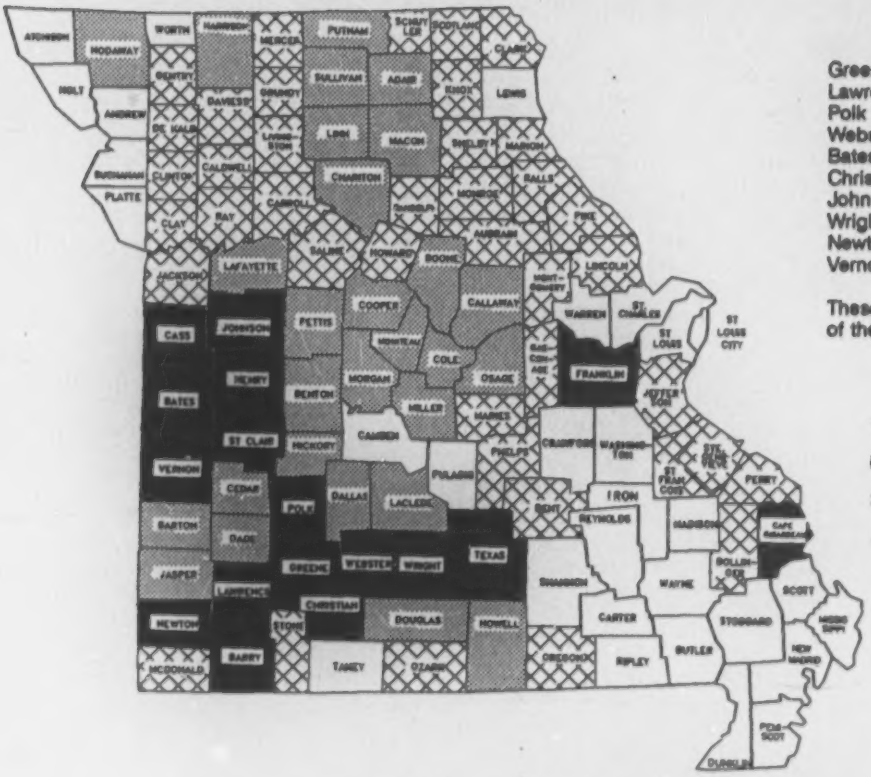
County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-		- tons -	-thous dol-	-acres-		- tons -	-thous dol-
ADAIR	47,800	1.35	65,600	3,411.0	64,100	0.85	54,500	4,251.0
ANDREW	17,000	2.40	41,100	2,055.0	20,700	1.20	24,800	1,891.0
ATCHISON	10,900	2.50	27,300	1,365.0	8,800	1.95	17,200	1,311.0
AUDRAIN	30,600	2.05	62,300	3,395.0	28,800	1.35	38,900	3,034.0
BARRY	50,800	1.80	89,300	6,117.0	58,600	1.45	85,000	7,480.0
BARTON	35,900	1.85	67,000	4,590.0	44,600	1.30	58,000	5,104.0
BATES	55,100	1.75	97,300	5,352.0	66,000	1.45	95,700	7,177.0
BENTON	45,000	1.55	70,000	4,082.0	49,800	1.30	64,700	4,917.0
BOLLINGER	22,000	1.90	41,800	2,801.0	28,300	1.55	43,900	3,688.0
BOONE	39,900	1.85	73,100	4,263.0	42,300	1.30	55,000	4,180.0
BUCHANAN	15,800	2.45	38,500	1,925.0	14,100	1.30	18,300	1,395.0
BUTLER	9,100	1.70	15,300	933.0	8,600	1.55	13,300	877.7
CALDWELL	38,100	1.85	69,800	3,490.0	37,000	1.05	38,900	2,965.0
CALLAWAY	45,000	1.85	82,900	4,835.0	48,100	1.25	60,100	4,568.0
CAMDEN	23,900	1.75	41,400	2,414.0	22,400	1.10	24,600	1,870.0
CAPE GIRARDEAU	41,200	1.90	78,000	4,758.0	48,800	1.55	76,100	5,023.0
CARROLL	32,000	1.65	52,800	2,745.0	31,800	1.50	47,700	3,721.0
CARTER	7,000	1.90	13,400	898.0	5,900	1.20	7,100	596.0
CASS	45,800	1.70	77,300	4,252.0	51,600	1.50	77,400	5,805.0
CEDAR	34,800	1.70	58,700	3,228.0	42,800	1.20	51,400	3,855.0
CHARITON	36,600	1.65	60,500	3,146.0	39,400	1.50	59,100	4,610.0
CHRISTIAN	48,900	2.20	107,400	7,357.0	55,800	1.70	94,900	8,351.0
CLARK	24,800	1.80	44,700	2,436.0	23,100	1.15	26,600	2,075.0
CLAY	25,500	1.50	35,500	1,775.0	26,400	1.30	34,300	2,615.0
CLINTON	25,900	1.75	45,800	2,290.0	34,300	1.15	39,500	3,011.0
COLE	29,000	1.70	49,100	2,864.0	36,500	1.55	56,600	4,302.0
COOPER	33,400	1.60	52,800	3,079.0	39,000	1.35	52,700	4,005.0
CRAWFORD	21,100	1.35	28,900	1,720.0	25,500	0.95	24,200	1,863.0
DADE	32,600	1.75	57,000	3,904.0	42,400	1.35	57,200	5,034.0
DALLAS	50,700	1.80	90,900	5,301.0	55,600	1.30	72,300	5,495.0
DAVIESS	25,100	1.95	48,800	2,440.0	28,200	1.15	32,400	2,470.0
DEKALB	28,800	1.95	56,400	2,820.0	35,600	1.20	42,700	3,255.0
DENT	21,100	1.65	34,900	2,338.0	23,400	1.10	25,700	2,159.0
DOUGLAS	39,600	1.95	77,600	5,199.0	42,000	1.30	54,600	4,586.0
DUNKLIN	1,200	1.70	2,000	122.0	1,500	1.75	2,600	171.6
FRANKLIN	47,800	1.75	84,400	5,022.0	57,400	1.35	77,600	5,975.0
GASCONADE	25,100	1.50	37,900	2,255.0	34,800	1.15	40,000	3,080.0
GENTRY	37,700	2.15	80,200	4,010.0	35,200	0.85	29,900	2,279.0
GREENE	74,200	1.95	142,900	9,789.0	88,200	1.70	149,900	13,191.0
GRUNDY	26,900	1.70	45,300	2,356.0	26,300	1.05	27,600	2,153.0
HARRISON	52,200	1.80	93,100	4,655.0	61,100	0.85	51,900	3,957.0
HENRY	51,400	1.75	89,400	4,917.0	59,500	1.25	75,000	5,625.0
HICKORY	34,800	1.70	58,500	3,412.0	39,800	1.40	55,700	4,233.0
HOLT	6,500	2.50	16,100	805.0	7,500	2.30	17,300	1,319.0
HOWARD	26,800	1.55	42,000	2,449.0	27,400	1.10	30,200	2,295.0
HOWELL	48,000	1.80	86,300	5,782.0	46,300	1.50	69,400	5,830.0
IRON	7,500	1.60	11,800	791.0	11,200	1.25	14,000	1,176.0
JACKSON	22,300	1.60	35,400	1,947.0	22,300	1.70	37,900	2,843.0
JASPER	42,600	1.85	78,000	5,343.0	51,900	1.35	70,100	6,169.0
JEFFERSON	17,700	1.40	25,100	1,494.0	23,000	1.45	33,400	2,572.0
JOHNSON	70,900	1.65	118,100	6,495.0	78,100	1.20	93,700	7,027.0
KNOX	36,200	1.70	62,100	3,385.0	37,600	1.00	37,600	2,933.0
LACLEDE	47,800	1.50	72,100	4,205.0	59,800	1.15	68,800	5,229.0
LAFAYETTE	31,200	1.70	52,500	2,888.0	35,800	1.65	59,100	4,433.0
LAWRENCE	78,100	1.90	150,600	10,316.0	88,100	1.45	127,700	11,237.0
LEWIS	20,300	2.00	41,000	2,235.0	21,500	1.10	23,600	1,841.0
LINCOLN	21,900	1.90	41,300	2,457.0	24,900	1.40	34,900	2,687.0
LINN	55,700	1.65	91,400	4,753.0	61,400	1.00	61,400	4,789.0
LIVINGSTON	24,600	1.90	46,300	2,408.0	26,300	1.10	28,900	2,254.0
MCDONALD	34,500	1.65	58,600	4,014.0	37,400	1.15	43,400	3,819.0

HAY:

Acreage, Yield, Production and Value,
By Counties, Missouri, 1987-88

County	1987				1988			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-		- tons -	-thous dol-	-acres-		- tons -	-thous dol-
MACON	45,500	1.45	66,500	3,458.0	65,200	1.00	65,200	5,085.0
MADISON	13,600	1.70	23,300	1,561.0	16,600	1.45	24,100	2,024.0
MARIES	29,000	1.70	49,900	2,910.0	33,200	1.00	33,200	2,523.0
MARION	19,300	2.25	43,300	2,360.0	21,200	1.50	31,800	2,480.0
MERCER	32,500	1.90	62,300	3,239.0	35,100	0.95	33,300	2,597.0
MILLER	31,200	1.35	42,100	2,455.0	37,400	1.40	52,400	3,982.0
MISSISSIPPI	1,800	1.80	3,200	195.0	2,300	1.85	4,200	277.2
MONITEAU	42,100	2.00	83,400	4,864.0	43,200	1.35	58,300	4,431.0
MONROE	29,600	1.75	52,100	2,839.0	34,000	1.30	44,200	3,448.0
MONTGOMERY	19,800	1.60	31,900	1,898.0	21,100	1.20	25,300	1,948.0
MORGAN	31,200	1.50	47,300	2,770.0	38,200	1.45	55,400	4,210.0
NEW MADRID	900	1.80	1,600	98.0	400	2.25	900	59.4
NEWTON	51,200	1.65	85,200	5,836.0	65,300	1.35	88,100	7,753.0
NODAWAY	55,100	2.40	128,000	6,400.0	57,200	1.30	74,400	5,672.0
OREGON	22,000	1.95	42,500	2,847.0	23,400	1.70	39,800	3,343.0
OSAGE	38,400	1.75	66,500	3,878.0	48,100	1.40	67,400	5,123.0
OZARK	22,000	1.90	42,100	2,821.0	24,900	1.50	37,300	3,133.0
PEMISCOT	1,400	1.90	2,600	159.0	1,100	3.10	3,400	224.4
PERRY	25,900	2.30	59,900	3,564.0	30,900	1.45	44,800	3,449.0
PETTIS	41,300	1.60	66,700	3,890.0	49,000	1.40	68,600	5,214.0
PHELPS	21,700	1.85	40,300	2,350.0	25,700	1.05	27,000	2,052.0
PIKE	27,500	1.70	46,200	2,518.0	29,100	1.15	33,500	2,613.0
PLATTE	17,800	1.60	26,900	1,345.0	16,700	1.15	19,200	1,464.0
POLK	71,000	1.70	122,200	7,127.0	86,300	1.30	112,200	8,527.0
PULASKI	16,700	1.85	30,800	1,796.0	18,300	0.95	17,400	1,322.0
PUTNAM	51,000	1.80	92,400	4,805.0	58,100	1.05	61,000	4,758.0
RALLS	21,600	1.85	39,600	2,158.0	22,000	1.20	26,400	2,059.0
RANDOLPH	19,000	1.60	30,800	1,602.0	34,000	1.30	44,200	3,448.0
RAY	27,100	1.45	37,500	1,875.0	34,300	1.30	44,600	3,400.0
REYNOLDS	10,600	1.35	14,400	965.0	9,800	1.05	10,300	865.0
RIPLEY	9,700	1.50	14,700	985.0	14,100	1.20	16,900	1,420.0
ST CHARLES	13,500	2.20	29,400	1,749.0	13,400	1.20	16,100	1,240.0
ST CLAIR	42,500	1.45	61,900	3,404.0	52,100	1.45	75,600	5,670.0
STE GENEVIEVE	19,300	1.60	30,700	1,827.0	24,900	1.45	36,100	2,780.0
ST FRANCOIS	24,300	1.50	36,700	2,184.0	29,000	1.20	34,800	2,680.0
ST LOUIS	3,400	1.85	6,200	369.0	3,800	1.35	5,100	393.0
SALINE	26,100	1.95	50,800	2,963.0	29,900	1.55	46,400	3,526.0
SCHUYLER	23,700	1.85	43,200	2,246.0	36,200	0.90	32,600	2,543.0
SCOTLAND	28,800	1.50	43,500	2,371.0	28,600	1.15	32,900	2,566.0
SCOTT	7,700	1.75	13,600	829.0	7,400	1.70	12,600	831.5
SHANNON	12,800	1.65	20,800	1,394.0	14,200	1.30	18,500	1,554.0
SHELBY	25,300	1.90	48,200	2,627.0	26,100	1.15	30,500	2,379.0
STODDARD	10,700	1.55	16,700	1,019.0	9,900	1.50	14,900	983.2
STONE	30,200	1.65	50,000	3,425.0	25,700	1.35	34,700	3,054.0
SULLIVAN	68,700	1.60	108,900	5,663.0	70,100	0.85	59,500	4,641.0
TANEY	13,600	1.50	20,700	1,387.0	13,700	1.50	20,400	1,714.0
TEXAS	58,500	1.60	94,800	6,351.0	65,400	1.25	81,100	6,812.0
VERNON	51,000	1.50	77,400	4,257.0	56,800	1.50	85,200	6,390.0
WARREN	11,300	1.55	17,700	1,053.0	13,100	1.55	20,300	1,563.0
WASHINGTON	12,900	1.45	18,900	1,124.0	17,200	1.30	22,400	1,725.0
WAYNE	12,300	1.65	20,000	1,340.0	9,300	1.35	12,500	1,050.0
WEBSTER	63,800	1.65	105,300	7,055.0	71,200	1.45	103,200	8,669.0
WORTH	21,500	2.10	45,000	2,250.0	22,900	0.90	20,600	1,570.0
WRIGHT	55,900	1.90	105,600	7,075.0	68,300	1.35	92,200	7,745.0
DISTRICTS								
NORTHWEST	405,000	1.95	790,000	39,500.0	440,000	1.15	506,000	38,574.0
NORTH CENTRAL	464,000	1.65	766,000	39,832.0	548,000	1.05	575,000	44,850.0
NORTHEAST	264,000	1.83	483,000	26,324.0	272,000	1.20	326,000	25,428.0
WEST CENTRAL	405,000	1.65	668,000	36,740.0	465,000	1.40	651,000	48,825.0
CENTRAL	725,000	1.70	1,233,000	71,907.0	830,000	1.30	1,079,000	82,004.0
EAST CENTRAL	264,000	1.70	449,000	26,716.0	319,000	1.30	415,000	31,955.0
SOUTHWEST	479,000	1.85	886,000	60,691.0	558,000	1.45	809,000	71,192.0
SOUTH CENTRAL	440,000	1.75	770,000	51,590.0	488,000	1.40	671,000	56,364.0
SOUTHEAST	74,000	1.80	133,000	8,113.0	80,000	1.60	128,000	8,448.0
STATE	3,520,000	1.76	6,178,000	361,413.0	4,000,000	1.30	5,160,000	407,640

1988 HAY PRODUCTION,
By Counties



TOP TEN COUNTIES

Greene	149,900 tons
Lawrence	127,700 tons
Polk	112,200 tons
Webster	103,200 tons
Bates	95,700 tons
Christian	94,900 tons
Johnson	93,700 tons
Wright	92,200 tons
Newton	88,100 tons
Vernon	85,200 tons

These top 10 counties represent 20.2% of the State's total hay production.

75,000 tons and Above
50,000-74,999 tons
25,000-49,999 tons
Under 25,000 tons

HAY STOCKS ON FARMS: Missouri, 1984-88 1/

	1984	1985	1986	1987	1988
			-thousand tons-		
May 1	326	1,268	1,433	1,266	927
Dec 1	4,817	5,341	5,546	5,375	4,334

1/ Survey date changed from January 1 to December 1 beginning December 1986.

RICE STOCKS: Missouri, 1984-88 1/

	1984	1985	1986	1987	1988
			-thousand cwt-		
Mar. 1 2/	1,442	1,605	3,168	3,956	1,973
Aug. 1	664	1,395	2,514	2,500	418
Dec. 1 3/	2,321	4,597	4,616	3,269	3,428

1/ Rough rice stocks in all positions.
2/ Survey date changed from April 1 to March 1 beginning March 1987.
3/ Survey date changed from January 1 to December 1 beginning December 1986.

OFF FARM STORAGE FACILITIES: Missouri, December 1, 1984-88 1/

	1984	1985	1986	1987	1988
			-thousand bu.-		
Number	618	615	612	610	608
Capacity	245,530	247,550	279,450	292,000	292,460

1/ Survey date changed from January 1 to December 1 beginning December 1986.

Grain Stocks: Missouri, 1984-1988 1/

(thousand bushels)

CORN

On Farms

Date	1984	1985	1986	1987	1988
Mar. 1	29,172	41,688	92,752	143,000	112,000
June 1	16,774	27,792	79,112	103,000	74,000
Sep. 1	4,740	6,948	43,650	46,000	42,000
Dec. 1	80,288	133,672	200,000	165,000	110,000

Off Farms

Date	1984	1985	1986	1987	1988
Mar. 1	23,932	18,843	41,604	77,715	77,777
June 1	16,831	14,818	38,196	67,949	64,941
Sep. 1	7,950	9,729	53,603	64,737	51,757
Dec. 1	28,860	51,194	83,381	87,324	64,540

Total Stocks

Date	1984	1985	1986	1987	1988
Mar. 1	53,104	60,531	134,356	220,715	189,777
June 1	33,605	42,610	117,308	170,949	138,941
Sep. 1	12,690	16,677	97,253	110,737	93,757
Dec. 1	109,148	184,866	283,381	252,324	174,540

SORGHUM 2/

On Farms

Date	1984	1985	1986	1987	1988
Mar. 1	6,003	11,930	—	—	—
June 1	4,402	8,259	18,725	15,000	8,800
Sep. 1	1,001	1,835	6,450	10,000	5,500
Dec. 1	30,284	47,962	—	—	—

Off Farms

Date	1984	1985	1986	1987	1988
Mar. 1	9,356	8,042	—	—	—
June 1	7,062	5,045	30,679	40,923	33,675
Sep. 1	3,706	4,504	32,732	6,443	28,763
Dec. 1	14,974	38,729	—	—	—

Total Stocks

Date	1984	1985	1986	1987	1988
Mar. 1	15,359	19,972	—	—	—
June 1	11,464	13,304	49,404	55,923	42,475
Sep. 1	4,707	6,339	39,182	46,443	34,263
Dec. 1	45,258	86,711	—	—	—

SOYBEANS

On Farms

Date	1984	1985	1986	1987	1988
Mar. 1	20,600	21,730	36,087	38,000	39,000
June 1	9,270	16,298	28,870	17,000	17,000
Sep. 1	4,635	7,606	12,000	6,000	6,000
Dec. 1	46,720	77,587	102,000	67,000	51,000

Off Farms

Date	1984	1985	1986	1987	1988
Mar. 1	23,697	18,521	33,154	44,685	32,079
June 1	17,948	13,066	24,181	31,689	17,979
Sep. 1	6,226	8,153	20,859	13,733	10,532
Dec. 1	30,961	51,794	54,890	53,325	42,813

Total Stocks

Date	1984	1985	1986	1987	1988
Mar. 1	44,297	40,251	69,241	82,685	71,079
June 1	27,218	29,364	53,051	48,689	34,979
Sep. 1	10,861	15,759	32,859	19,733	16,532
Dec. 1	77,681	129,381	156,890	120,325	93,813

WHEAT

On Farms

Date	1984	1985	1986	1987	1988
Mar. 1	9,139	3,362	4,493	2,100	1,500
June 1	2,812	1,261	2,496	1,500	900
Sep. 1	15,466	8,986	5,850	8,000	14,500
Dec. 1	9,246	4,992	3,600	2,800	6,500

Off Farms

Date	1984	1985	1986	1987	1988
Mar. 1	19,911	20,356	26,936	27,145	22,459
June 1	18,511	18,542	25,653	24,142	17,808
Sep. 1	48,225	36,470	33,559	29,722	47,537
Dec. 1	29,075	29,701	28,826	27,588	35,194

Total Stocks

Date	1984	1985	1986	1987	1988
Mar. 1	29,050	23,720	31,429	29,245	23,959
June 1	21,323	19,803	28,149	25,642	18,708
Sep. 1	63,691	45,456	39,409	37,722	62,037
Dec. 1	38,321	34,693	32,426	30,388	41,694

1/ In mid 1986, reference dates for grain stocks surveys changed from the first of October, January and April to the first of September, December and March. The June first date was not changed. Except for soybeans on September 1, figures in the above tables prior to April 1986 reflect data for the following month.

2/ In mid 1986, program modifications changed stocks estimated from quarterly to twice a year on June 1 and Sept. 1.

COMMERCIAL FERTILIZER:

Consumption by Kind and Primary Plant Nutrients, Missouri, 1984-88 1/

Item	1984	1985	1986	1987 2/	1988
			-tons-		
Multiple Nutrient	1,080,785	492,806	442,713	395,492	434,525
Nitrogen Materials					
Ammonia					
Anhydrous	73,038	115,907	102,984	86,832	86,741
Aqua	303	1,401	474	0	0
Ammonium					
Nitrate	80,194	185,246	130,121	145,462	173,383
Sulfate	3,043	4,636	5,249	6,372	9,098
Nitrogen solutions	158,319	190,954	185,499	176,491	205,008
Sodium nitrate	279	489	518	248	173
Urea	84,395	179,994	218,836	215,657	234,894
Other	485	4,100	3,855	4,534	2,388
Phosphate Materials					
Phosphate Rock 3/	619	0	4	5	0
Super Phosphates					
22% and Under	18	15	16	3	12
Over 22%	13,128	52,038	58,459	60,345	61,726
Phosphoric acid 4/	0	0	0	1,534	1,437
Other	317	777	2,045	349	589
Potash Materials					
Chloride, 60% and over	51,733	275,872	303,794	324,215	350,125
Other	3,915	4,415	4,788	3,829	4,013
Secondary and Micronutrient Materials					
Gypsum	14,962	1,436	2,646	849	875
Other	2,819	4,966	4,285	3,185	2,656
Natural Organics	3,337	113	54	0	0
Total Fertilizer	1,571,669	1,514,890	1,468,317	1,425,397	1,567,644
Primary Nutrients			-nutrient tons-		
N	333,113	367,058	347,768	331,593	364,477
Available P_2O_5	171,844	146,235	147,651	149,922	169,343
K_2O	241,105	215,361	224,321	225,922	243,561

1/ Figures furnished by Agricultural Experiment Station, University of Missouri-Columbia; Data also supplied by the National Fertilizer Development Center of the TVA. Fertilizer based on consumption for fiscal year ending June 30 of year shown.
2/ Data for 1985, 1986 and 1987 are not strictly comparable with earlier years. Much of the data now represents the input side of bulk blending operations rather than the output side.
3/ Includes Colloidal Phosphate.
4/ Included in "Other" category prior to 1987.

SELECTED HERBICIDES AND INSECTICIDES USED IN MISSOURI, 1988

CORN	PERCENT
Acres treated with herbicides	98
Treated acres by active ingredients	
Single materials	
Alachlor	1
Atrazine1	18
Bromoxynil	2
Cyanazine	1
Dicamba	2
EPTC	3
Metolachlor	3
2,4-D	2
Tank mixes	
Atrazine + alachlor	21
Atrazine + butylate	9
Atrazine + cyanazine	21
Atrazine + metachlor	10
Atrazine + others	4
Alachlor + cyanazine	1
Other 2-way mixes	1
3-way mixes	12
Acres treated with insecticides	28
Treatments by active ingredient	
Single materials	
Carbofuron	6
Clorpyrifos	48
Turbofos	6
Other	42

SOYBEANS	PERCENT
Acres treated with herbicides	92
Treatments by active ingredients	
Single materials	
Alachlor	5
Bentazon	6
Chloramben	1
Chlorimuron-ethyl	22
Ethalfluralin	2
Imazaquin	5
Metolachlor	2
Metribuzin	6
Sethoxydim	1
Trifluralin	15
Other	8
Tank mixes	
Trifluralin + imazaquin	13
Trifluralin + metribuzin	9
Alachlor + linuron	6
Alachlor + metribuzin	3
Metolachlor + metribuzin	1
Pendimethalin + imazaquin	11
Other 2-way mixes	19
3-way mixes	8

SOURCE: USDA, ERS, AGRICULTURAL RESOURCES

FRUITS: Production, Use and Value, Missouri, 1984-88

Year	Total	Utilized	Season Average Price	Value of Utilized Production
		-Apples-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1984	40.0	40.0	16.9	6,754
1985	62.0	62.0	16.2	10,069
1986	37.0	37.0	20.5	7,597
1987	53.0	50.0	9.9	4,935
1988	**56.0**	**54.0**	**15.2**	**8,208**
		-Peaches-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1984	15.0	13.0	17.0	2,210
1985	1/	1/	1/	1/
1986	12.0	12.0	21.0	2,520
1987	13.0	13.0	18.7	2,431
1988	**14.0**	**14.0**	**22.5**	**3,150**
		-Grapes-		
	-tons-		-dollars per ton-	-thous. dol.-
1984	3,100	3,100	273	845
1985	900	900	362	326
1986	2,900	2,900	310	899
1987	2,750	2,750	351	966
1988	**3,250**	**3,250**	**311**	**1,011**

1/ No significant commercial production due to frost.

FARM LABOR: 1988 MISSOURI AND IOWA 1/

SURVEY WEEK ENDED	APRIL 16	JULY 16	OCT. 15
		-thousands-	
Farm Employment			
Farm operators	151.0	157.0	151.0
Unpaid workers	69.0	67.0	54.0
Hired labor	37.0	56.0	39.0
Total farm workes	257.0	280.0	244.0
Hours Worked Per Worker		-hours per week-	
Farm operators	53.2	46.5	52.1
Unpaid workers	41.9	35.7	37.7
Hired workers	40.6	30.7	40.1
Farm Wage Rates		-dollars per hour-	
Field workers	4.29	4.49	4.33
Livestock workers	4.77	4.59	4.88
All hired workers 2/	4.51	4.52	4.46

1/ Missouri and Iowa combined. No individual state estimates are available.
2/ Includes supervisory and other types of workers along with the field and livestock workers.

FLORICULTURE

	1985	1986	1987	1988
Number of growers 1/	N/A	132	158	159
Total greenhouse cover (1000 sq. ft.)	4,509	4,906	5,001	5,074
Wholesale value (1,000 dollars)	25,398	27,173	28,058	26,973

1/ Estimates began in 1986.

LIVESTOCK

1988
MISSOURI LIVESTOCK SUMMARY

by Carl Scott

HIGHLIGHTS: The effect of the 1988 drought on crops was well publicized and visually obvious. The effect on livestock and livestock producers wasn't as well publicized nor as visually apparent, but the damages were no less severe. For example, beef cows lost weight, produced less milk, and gain rates for calves decreased. In addition, as ponds and pastures dried up, some producers were forced to liquidate part or all of their herds. This caused a sharp decline in livestock prices in June. Producers who maintained their herds had to feed expensive hay and grain.

In spite of the drought, cattle numbers bucked the downward trend of the past several years and posted a small increase in 1988. However, there was a decrease in cash receipts for cattle and calves during 1988. Cattle and calves cash receipts totaled $839.4 million in 1988, down 6 percent from 1987. The price for cattle was up, but lower marketings accounted for the decrease in the receipts. Hog numbers showed a decrease at the end of the year. Hog cash receipts decreased 11 percent to $510.3 million. This decrease was caused by lower prices, even though marketings increased. The average price of hogs fell to $42.00 per 100 pounds, a drop of $8.70 from 1987. Sheep and lambs cash receipts were $3.9 million in 1988, down from the $5.9 million in 1987. The lower receipts were caused by a combination of lower prices and lower marketings. Cash receipts from milk marketed were $358.7 million, up slightly from 1987. Higher number of milk cows plus a higher production per cow more than offset the lower price for milk. The value of egg production during 1988 was $46.4 million, a decrease of 8 percent over 1987. The value of turkey production increased 23 percent in 1988 to $134.0 million.

HOGS: The December 1, 1988 inventory of Missouri hogs and pigs was estimated at 2.85 million head, down 5 percent from 1987 but unchanged from 1986. Only 5 states had inventories larger than Missouri's on December 1: Iowa, Illinois, Minnesota, Indiana, and Nebraska. The number of farms with hogs totaled 17,000, 6 percent less than the 18,000 last year and 57 percent less than the 40,000 in 1980.

There were 695,000 sows farrowed in 1988, the same as the previous year. The spring cycle had a small increase while the fall cycle had a small decrease resulting in an overall no change. The pig crop totaled 5.20 million pigs, up slightly from 1987. Pigs per litter averaged 7.48.

CATTLE: Inventory of all cattle and calves on Missouri farms, as of January 1, 1989, totaled 4.50 million head, 2 percent above 1988 but 2 percent below 1987. Missouri ranks seventh nationally in all cattle and calves inventory behind Texas, Kansas, Nebraska, Oklahoma, Iowa, and California.

There were 2.23 million head of cows and heifers that have calved in the state on January 1, 1989. This is up 3 percent from last year. Missouri ranks second nationally in all cows numbers after Texas. Beef cows totaled 2.00 million, up 4 percent from January 1, 1988. Milk cows totaled 226,000 head, up 1 percent from last year. Missouri's 1988 calf crop totaled 2.05 million head, up 3 percent from 1987 but down 2 percent from 1986.

The number of cattle operations continue to decline. Farms with cattle totaled 87,000, 5 percent less than the 92,000 last year and 13 percent less than the 100,000 in 1980.

MILK PRODUCTION: Milk production was up 2 percent to 3.00 billion pounds in 1988. The average number of milk cows on hand during the year was 224,000 head (up 2,000 head from 1987) and they produced an average of 13,393 pounds per cow (an increase of 150 Pounds).

Butter production was down 17 percent to 14.4 million pounds, while American type cheese showed a 24 percent increase to 75.6 million pounds.

SHEEP: Missouri's sheep and lamb flock totaled 125,000 head as of January 1, 1989. This is a 21 increase from the 103,000 on hand January 1, 1988. Total value of all sheep and lambs on hand January 1, 1989 was $9.1 million, down 2 percent from last year. The average value per head was $73.00, down from the $90.50 of last year.

CHICKENS AND EGGS: Inventory of all chickens (excluding commercial broilers) on December 1, 1988 was 7.9 million birds, down 9 percent from 1987. Hens and pullets of laying age totaled 5.9 million, down from the 7.1 million on December 1, 1987. The yearly egg production of 1.53 billion eggs was up slightly from 1987.

TURKEYS: A total of 16.5 million turkeys was raised in 1988, up one million from the number raised in 1987. The average price of 40.0 cents per pound was up 5.0 cents from a year ago.

LIVESTOCK RECORDS FOR MISSOURI:

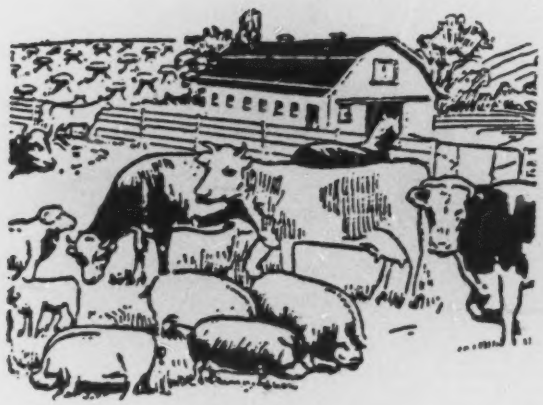
Item of Livestock	Record High Head	Record High Year 1/	Record Low Head	Record Low Year 1/	Date Series Began
Cattle					
All cattle Jan. 1	6,800,000	1975	1,134,000	1867	1867
Beef cows Jan. 1	2,759,000	1975	280,000	1912	1900
Milk cows Jan. 1	1,115,000	1945	219,000	1987	1867
Cattle on feed Jan. 1	442,000	1969	85,000	1986	1950
Calf crop	2,840,000	1974	908,000	1927	1924
Milk					
Milk Production 2/ (annual)	4,600,000,000	1954	2,606,000,000	1924	1924
Hogs					
Inventory Dec. 1	5,405,000	1944	2,400,000	1935	1867
Pig Crop					
Spring	4,037,000	1943	1,588,000	1937	1924
Fall	4,352,000	1970	1,123,000	1934	1924
Sheep					
Inventory Jan. 1	1,780,000	1943	101,000	1986	1867
Lamb crop	1,298,000	1942	100,000	1988	1924
Wool production 2/ (annual)	11,052,000	1942	711,000	1985	1909
Chickens					
Inventory Dec. 1 3/	31,231,000	1927	7,000,000	1983	1924
Egg Production 4/ (annual)	3,052,000,000	1944	1,149,000,000	1974	1925
Turkeys					
Raised	16,500,000	1988	255,000	1930	1929

1/ These are the latest years that records were achieved. In some cases, these records were equaled in earlier years.
2/ Production in pounds.
3/ All chickens (excludes commercial broilers).
4/ Production in eggs.

LIVESTOCK ON FARMS:
Number and Value, by Species, Missouri, January 1, 1985-89

Year	All Cattle and Calves			All Hogs and Pigs 1/			All Sheep and Lambs		
	Number	Value Per Head	Total	Number	Value Per Head	Total	Number	Value Per Head	Total
	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-
1985	4,850	365	1,770,250	3,450	74.00	255,300	123	54.00	6,642
1986	4,800	350	1,680,000	3,050	65.00	198,250	101	58.50	5,909
1987	4,600	390	1,794,000	2,850	88.50	252,225	110	65.50	7,205
1988	4,400	495	2,178,000	3,000	70.50	211,500	103	90.50	9,322
1989	**4,500**	**550**	**2,475,000**	**2,850**	**63.50**	**180,975**	**125**	**73.00**	**9,125**

1/ December 1 preceding year.



LIVESTOCK ON FARMS:
Missouri, January 1, 1985-89

Year	Milk Cows	Cattle and Calves on Feed
	Number	Number
	-thousand head-	
1985	225	90
1986	235	85
1987	219	90
1988	224	110
1989	226	95

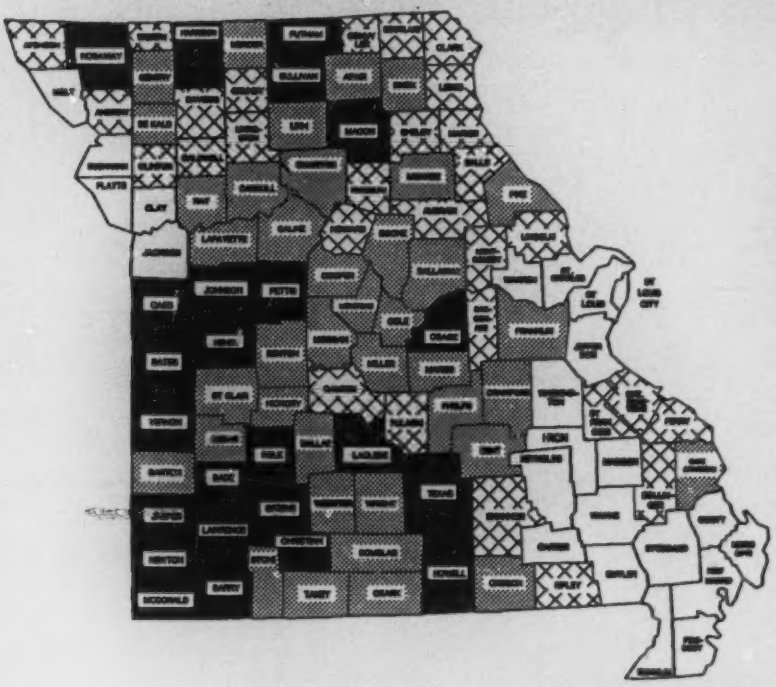
NUMBER OF LIVESTOCK OPERATIONS:
by Species, Missouri, 1984-88 1/

Year	Operations with Cattle	Operations with Beef Cows	Operations with Milk Cows	Operations with Hogs	Operations with Sheep
			-number-		
1984	100,000	N/A	11,500	26,000	3,900
1985	98,000	N/A	11,000	23,000	3,900
1986	96,000	76,000	10,500	19,000	3,900
1987	92,000	73,000	9,500	18,000	3,700
1988	**87,000**	**70,000**	**9,000**	**17,000**	**3,500**

1/ One or more head on hand at any time during year.

1988 BEEF COW NUMBERS,

By Counties, Jan. 1, 1989



TOP TEN COUNTIES

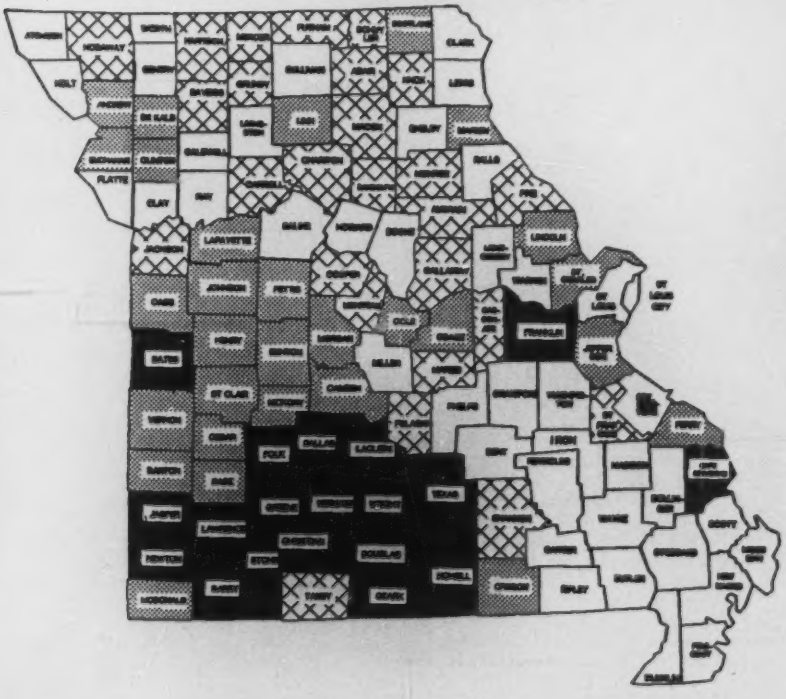
Lawrence	42,500 head
Greene	42,300 head
Barry	40,200 head
Nodaway	39,900 head
Polk	38,000 head
Johnson	37,300 head
Howell	36,200 head
Bates	35,800 head
Newton	34,900 head
Texas	34,700 head

These top 10 counties represent 19.1% of the State's total beef cow numbers.

25,000 head and above
15,000 - 24,999 head
10,000 - 14,999 head
Under 10,000 head

1988 MILK COW NUMBERS,

By Counties, Jan. 1, 1989



TOP TEN COUNTIES

Wright	19,700 head
Webster	15,100 head
Laclede	11,200 head
Texas	10,400 head
Polk	10,200 head
Lawrence	10,000 head
Douglas	9,400 head
Dallas	8,800 head
Greene	8,500 head
Barry	6,800 head

These top 10 counties represent 44.2% of the State's total milk cow numbers.

3,000 head and above
1,000 - 2,999 head
500 - 999 head
Under 500 head

ALL CATTLE

BEEF AND MILK COWS:

by Counties, Missouri, January 1, 1988-89

COUNTY	BEEF COWS		MILK COWS		ALL CATTLE		ALL CATTLE VALUE	
	1988	1989	1988	1989	1988	1989	1988	1989
	-head-		-head-		-head-		-thousand dollars-	
ADAIR	23,000	23,500	900	900	42,300	42,300	20,074	22,427
ANDREW	12,000	12,300	2,400	2,300	29,300	29,300	15,130	16,682
ATCHISON	10,300	10,300	50	50	23,500	23,000	10,841	11,894
AUDRAIN	14,100	14,600	600	600	43,700	43,700	20,510	22,944
BARRY	38,300	40,200	6,700	6,800	83,100	88,700	42,839	50,390
BARTON	22,000	23,100	1,600	1,600	46,600	49,700	22,534	26,722
BATES	34,200	35,800	3,400	3,300	82,300	82,300	40,193	44,695
BENTON	18,300	19,100	2,300	2,400	40,500	41,900	20,212	23,247
BOLLINGER	14,400	14,900	250	250	28,300	29,100	13,187	15,176
BOONE	17,300	17,900	300	300	36,900	38,100	17,176	19,851
BUCHANAN	7,500	7,600	1,300	1,300	18,200	18,200	9,267	10,274
BUTLER	5,500	5,900	50	50	10,300	9,700	4,771	5,036
CALDWELL	12,900	13,200	300	300	25,900	25,900	12,118	13,560
CALLAWAY	20,500	21,300	500	500	43,200	44,600	20,211	23,339
CAMDEN	12,200	12,700	1,300	1,300	26,100	27,000	12,900	14,812
CAPE GIRARDEAU	18,200	19,800	3,700	3,700	46,500	44,400	23,938	25,426
CARROLL	14,800	15,000	800	800	34,600	34,200	16,464	18,182
CARTER	4,000	4,200	50	50	6,900	7,100	3,207	3,695
CASS	24,000	25,200	2,300	2,300	51,900	51,900	25,454	28,335
CEDAR	21,300	22,200	1,300	1,300	42,600	42,600	20,488	22,855
CHARITON	17,300	17,700	500	500	45,400	45,500	21,223	23,803
CHRISTIAN	26,400	27,700	5,800	5,900	64,500	68,900	33,664	39,565
CLARK	10,900	11,300	150	150	19,900	19,900	9,255	10,364
CLAY	9,200	9,200	100	100	24,000	23,500	11,106	12,186
CLINTON	13,400	13,700	1,100	1,100	32,600	32,600	15,751	17,562
COLE	16,900	17,500	1,700	1,700	35,100	36,300	17,314	19,881
COOPER	20,200	20,800	600	600	51,300	53,000	24,005	27,739
CRAWFORD	16,000	16,600	300	300	28,200	29,000	13,175	15,159
DADE	28,800	30,200	1,500	1,500	56,500	60,300	27,018	32,119
DALLAS	17,500	18,300	8,700	8,800	55,800	57,700	31,665	35,774
DAVIESS	11,700	11,900	800	800	27,400	27,400	13,152	14,676
DEKALB	14,600	15,000	1,100	1,100	33,100	33,100	15,981	17,820
DENT	18,700	19,400	400	400	35,900	36,900	16,785	19,301
DOUGLAS	22,900	23,700	9,200	9,400	62,800	64,600	35,229	39,743
DUNKLIN *	1,000	1,100			2,300	2,200	1,075	1,151
FRANKLIN	22,000	22,900	3,100	3,000	49,900	51,500	25,087	28,608
GASCONADE	14,000	14,500	600	600	29,400	30,400	13,934	16,086
GENTRY	17,300	18,000	400	400	36,000	36,500	16,831	19,094
GREENE	40,100	42,300	8,400	8,500	97,700	104,400	50,726	59,649
GRUNDY	10,200	10,200	700	700	22,500	22,000	10,830	11,823
HARRISON	28,400	29,300	600	600	56,200	56,700	26,258	29,647
HENRY	26,700	27,900	1,800	1,800	57,300	57,300	27,593	30,777
HICKORY	15,800	16,400	2,700	2,800	34,200	35,300	17,591	20,118
HOLT	6,400	6,600	100	100	14,900	14,900	6,921	7,751
HOWARD	13,900	14,400	300	300	31,500	32,600	14,693	17,015
HOWELL	35,000	36,200	6,500	6,600	88,300	90,900	45,092	51,388
IRON	4,800	4,900	50	50	10,400	10,600	4,817	5,500
JACKSON	8,800	9,200	600	600	20,600	20,600	9,887	11,033
JASPER	25,200	26,300	4,100	4,100	55,200	58,900	28,214	33,177
JEFFERSON	6,800	7,000	1,300	1,400	15,400	15,800	7,979	9,105
JOHNSON	35,700	37,300	1,600	1,600	78,400	78,400	37,158	41,520
KNOX	15,300	15,900	900	900	34,400	34,400	16,440	18,354
LACLEDE	26,100	27,100	11,100	11,200	72,000	74,400	40,771	46,028
LAFAYETTE	17,900	18,600	2,100	2,100	51,000	51,000	24,902	27,734
LAWRENCE	40,500	42,500	9,900	10,000	101,100	107,900	53,325	62,480
LEWIS	11,300	11,800	300	300	24,500	24,500	11,474	12,838
LINCOLN	11,300	11,800	1,500	1,500	32,300	33,300	15,889	18,197
LINN	20,900	21,500	1,200	1,100	46,400	46,800	22,166	24,884
LIVINGSTON	11,500	11,700	300	300	24,300	24,300	11,382	12,735
MACON	25,100	25,800	600	600	50,400	50,400	23,591	26,398
MADISON	9,000	9,400	50	50	20,000	20,600	9,232	10,656
MARIES	20,900	21,700	600	600	41,400	42,800	19,452	22,480
MARION	10,900	11,300	1,200	1,200	28,200	28,200	13,796	15,362
MCDONALD	25,200	26,600	2,600	2,600	50,500	54,000	25,018	29,623
MERCER	14,700	15,100	500	500	28,400	28,400	13,405	14,986

ALL CATTLE

BEEF AND MILK COWS:

by Counties, Missouri, January 1, 1988-89

COUNTY	BEEF COWS		MILK COWS		ALL CATTLE		ALL CATTLE VALUE	
	1988	1989	1988	1989	1988	1989	1988	1989
	-head-		-head-		-head-		-thousand dollars-	
MILLER	21,600	22,500	400	400	44,100	45,600	20,556	23,786
MISSISSIPPI *	1,300	1,500			3,000	2,800	1,383	1,447
MONITEAU	22,200	23,100	900	900	46,800	48,400	22,143	25,572
MONROE	17,200	17,800	800	800	40,300	40,300	19,085	21,327
MONTGOMERY	9,700	10,100	50	50	20,800	21,500	9,600	11,120
MORGAN	17,600	18,300	1,700	1,700	36,900	38,100	18,142	20,809
NEW MADRID *	500	600			1,400	1,200	654	629
NEWTON	33,200	34,900	4,700	4,700	71,200	76,000	35,986	42,404
NODAWAY	39,000	39,900	800	800	82,100	82,100	38,307	42,881
OREGON	22,200	22,900	2,100	2,200	49,700	51,100	24,305	27,854
OSAGE	28,600	29,700	1,500	1,500	58,500	60,400	27,937	32,171
OZARK	22,600	23,400	5,600	5,700	59,300	61,100	31,135	35,406
PEMISCOT *	400	400			1,000	800	463	416
PERRY	13,200	13,700	2,500	2,500	38,100	39,300	19,246	21,975
PETTIS	24,400	25,300	1,300	1,300	55,800	57,700	26,558	30,641
PHELPS	16,700	17,300	200	200	30,600	31,600	14,210	16,431
PIKE	15,600	16,100	500	500	38,100	38,100	17,866	19,988
PLATTE	8,400	8,500	200	200	17,800	17,800	8,324	9,315
POLK	36,700	38,000	10,100	10,200	94,500	97,600	50,427	57,306
PULASKI	12,100	12,600	600	600	25,200	26,000	12,003	13,817
PUTNAM	24,800	25,500	800	800	50,900	51,300	23,959	26,999
RALLS	11,700	12,200	300	300	24,500	24,500	11,474	12,838
RANDOLPH	12,300	12,600	500	500	29,200	29,200	13,773	15,399
RAY	16,100	16,500	250	250	35,000	35,000	16,268	18,218
REYNOLDS *	5,200	5,500			10,400	10,600	4,800	5,483
RIPLEY	10,000	10,400	50	50	20,000	20,600	9,232	10,656
ST CHARLES	5,200	5,400	1,200	1,200	15,400	15,800	7,910	8,968
ST CLAIR	23,700	24,800	1,000	1,000	46,100	46,100	21,890	24,455
STE GENEVIEVE	12,600	13,200	400	400	27,800	28,700	13,060	15,072
ST FRANCOIS	12,900	12,700	700	700	25,300	26,100	12,118	13,937
ST LOUIS	1,500	1,700	150	150	3,500	3,600	1,713	1,959
SALINE	15,500	16,000	200	200	39,600	40,900	18,349	21,226
SCHUYLER	13,000	13,300	600	600	25,200	25,200	12,003	13,405
SCOTLAND	10,900	11,400	1,500	1,500	25,100	25,100	12,578	13,969
SCOTT	3,700	4,000	300	300	18,000	17,200	8,485	9,074
SHANNON	10,300	10,600	700	700	18,600	19,200	9,037	10,379
SHELBY	12,100	12,600	50	50	31,300	31,300	14,428	16,173
STODDARD	5,400	5,700	200	200	12,500	11,700	5,886	6,170
STONE	15,300	16,200	5,700	5,800	38,600	41,200	21,684	25,213
SULLIVAN	27,400	28,100	400	400	50,400	50,400	23,453	26,262
TANEY	14,500	15,000	700	700	27,600	28,400	13,175	15,123
TEXAS	33,500	34,700	10,200	10,400	80,700	83,100	44,150	49,966
VERNON	27,700	29,000	1,900	1,800	59,800	59,800	28,811	32,067
WARREN	5,600	5,800	150	150	12,800	13,200	5,990	6,909
WASHINGTON	9,200	9,600	50	50	21,100	21,800	9,738	11,275
WAYNE *	6,000	6,200			11,000	11,400	5,076	5,895
WEBSTER	24,000	24,900	14,800	15,100	78,700	80,900	46,405	52,048
WORTH	12,800	13,000	100	100	24,000	24,000	11,106	12,444
WRIGHT	22,900	23,700	19,300	19,700	81,400	83,800	50,753	56,692
DISTRICTS								
NORTHWEST	220,000	225,000	9,600	9,500	480,000	480,000	227,361	254,004
NORTH CENTRAL	215,000	220,000	7,800	7,700	450,000	450,000	212,323	237,303
NORTHEAST	130,000	135,000	6,300	6,300	310,000	310,000	146,906	164,157
WEST CENTRAL	220,000	230,000	16,000	15,800	490,000	490,000	236,376	263,471
CENTRAL	395,000	410,000	47,000	47,500	900,000	930,000	446,315	512,043
EAST CENTRAL	140,000	145,000	12,000	12,000	320,000	330,000	155,439	178,370
SOUTHWEST	295,000	310,000	51,000	51,500	665,000	710,000	341,008	401,342
SOUTH CENTRAL	280,000	290,000	70,000	71,400	690,000	710,000	365,617	414,961
SOUTHEAST	36,000	39,000	4,300	4,300	95,000	90,000	46,655	49,349
STATE	1,931,000	2,004,000	224,000	226,000	4,400,000	4,500,000	2,178,000	2,475,000

* Milk cows, less than 25 head

CATTLE AND CALVES:
Number on Farms, by Classes, Missouri, January 1, 1985-89

Class	1985	1986	1987	1988	1989
			-thousand head-		
All Cattle and Calves	4,850	4,800	4,600	4,400	4,500
All Cows That					
Have Calved	2,225	2,190	2,180	2,155	2,230
Beef Cows	2,000	1,955	1,961	1,931	2,004
Milk Cows	225	235	219	224	226
Heifers--500 Pounds & Over	592	595	550	540	585
Beef Cow Replacements	257	264	271	265	285
Milk Cow Replacements	97	110	97	95	90
Other	238	221	182	180	210
Steers--500 Pounds & Over	490	533	480	460	440
Bulls--500 Pounds & Over	112	106	100	100	110
Calves Under 500 Pounds	1,431	1,376	1,290	1,145	1,135

CATTLE AND CALVES:
Inventory, Calf Crop and Disposition, Missouri, 1984-88

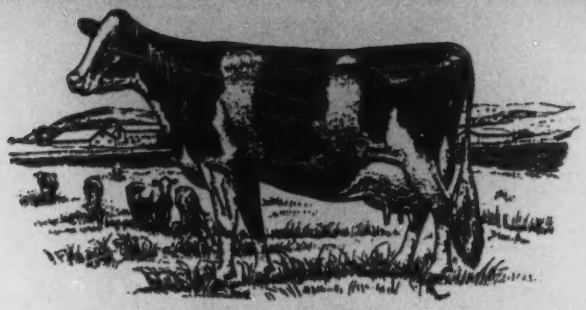
Year	On Hand January 1 All Cattle and Calves	On Hand January 1 All Cows That Have Calved	Calves Born	Inship-ments	Marketings 2/ Cattle	Marketings 2/ Calves	Farm Slaughter Cattle and Calves	Deaths Cattle	Deaths Calves
				-thousand head-					
1984	5,200	2,376	2,200	40	1,708	639	13	70	160
1985	4,850	2,225	2,120	40	1,355	625	10	75	145
1986	4,800	2,190	2,100	40	1,382	742	11	70	135
1987	4,600	2,180	2,000	40	1,273	760	12	65	130
1988	4,400	2,155	2,050	40	962	813	10	65	140

1/ Balance sheet estimates (in thousands). Total of marketings, farm slaughter, deaths, and on-hand at end of year equals total of calf crop, inshipments and on-hand beginning of year.
2/ Excludes interfarm sales within the state.

CATTLE AND CALVES:
Production and Income, Missouri, 1984-88

Year	Production	Marketings	Price per 100 lbs Cattle	Price per 100 lbs Calves	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		-dollars-			-thousand dollars-		
1984	1,432,765	1,682,130	53.50	58.50	778,285	912,962	22,766	935,728
1985	1,402,655	1,402,110	52.00	61.70	752,434	753,840	21,534	775,374
1986	1,345,740	1,461,880	50.80	60.80	711,130	772,981	20,359	793,340
1987	1,304,535	1,389,620	61.40	75.70	838,446	897,674	24,322	921,996
1988	1,236,130	1,130,550	68.60	87.80	911,397	839,399	26,458	865,857

1/ Production and marketings are thousands of pounds; price per 100 lbs. is in dollars; value of production, cash receipts, value of home consumption, and gross income are all in thousands of dollars.



MILK COWS:

Number on Farms, by Months, Missouri,1984-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	-thousand head-											
1984	245	232	228	228	228	227	227	227	226	226	225	225
1985	225	224	225	230	233	235	235	235	235	235	235	235
1986	235	234	234	233	232	229	225	223	221	220	219	218
1987	218	217	217	220	222	224	225	225	223	223	224	224
1988	**224**	**223**	**223**	**224**	**224**	**222**	**223**	**223**	**225**	**225**	**226**	**227**

MILK PRODUCTION:

Average per Milk Cow, by Months, Missouri,1984-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	-pounds-											
1984	960	925	1,020	1,065	1,140	1,020	1,030	1,015	970	975	940	980
1985	980	890	1,020	1,080	1,150	1,070	1,090	1,070	1,020	1,030	985	990
1986	1,010	920	1,070	1,160	1,210	1,120	1,120	1,110	1,050	1,060	1,030	1,055
1987	1,070	990	1,140	1,200	1,210	1,110	1,160	1,090	1,080	1,090	1,040	1,070
1988	**1,075**	**1,025**	**1,135**	**1,215**	**1,230**	**1,115**	**1,140**	**1,110**	**1,070**	**1,080**	**1,070**	**1,115**

MILK PRODUCTION:

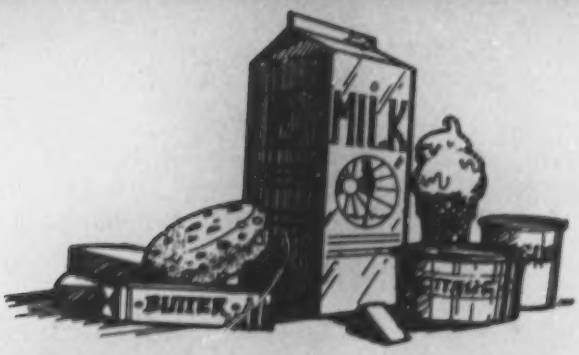
Total Milk Produced, by Months, Missouri, 1984-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	-million pounds-											
1984	235	215	233	243	260	232	234	230	219	220	212	221
1985	221	199	230	248	268	251	256	251	240	242	231	233
1986	237	215	250	270	281	256	252	248	232	233	226	230
1987	233	215	247	264	269	249	261	245	241	243	233	240
1988	**241**	**229**	**253**	**272**	**276**	**248**	**254**	**248**	**241**	**243**	**242**	**253**

MILK COWS AND PRODUCTION OF MILK AND MILKFAT:

Annual Averages, Missouri, 1984-88

		Per Milk Cow			Total	
Year	Milk Cows	Milk	Milkfat	Milkfat Test	Milk	Milkfat
	-thous head-	-pounds-		-percent-	-million pounds-	
1984	229	12,026	440	3.66	2,754	101
1985	232	12,371	452	3.65	2,870	105
1986	227	12,907	467	3.63	2,930	106
1987	222	13,243	483	3.65	2,940	107
1988	**224**	**13,393**	**490**	**3.66**	**3,000**	**110**



MILK DISPOSITION, INCOME AND VALUE: Missouri, 1984-88

Year	Milk Used Where Produced: Used For Milk, Cream and Butter	Milk Used Where Produced: Fed to Calves	Milk Marketed by Producers: Milk Marketed	Milk Marketed by Producers: Price per Cwt.	Milk Marketed by Producers: Cash Receipts	Gross Producer Income	Value of Milk Produced
		-million pounds-		-dollars-		-thousand dollars-	
1984	14	60	2,680	13.20	353,760	355,608	363,528
1985	14	43	2,813	12.50	351,625	353,375	358,750
1986	15	48	2,867	12.30	352,641	354,486	360,390
1987	15	45	2,880	12.40	357,120	358,980	364,560
1988	**15**	**45**	**2,940**	**12.20**	**358,680**	**360,510**	**366,000**

MANUFACTURED DAIRY PRODUCTS:

Quantity by Type, Missouri, 1984-88

Year	Butter	American Type Cheese	Total Cheese 1/	Creamed Cottage Cheese	Lowfat Cottage Cheese	Ice Cream 2/
			-thousand pounds-			-thous gal-
1984	22,358	56,773	133,648	27,194	7,736	20,657
1985	23,151	59,120	141,386	24,340	8,469	19,242
1986	21,927	69,268	152,581	23,411	8,921	20,631
1987	17,297	60,918	148,261	19,483	7,751	22,165
1988	**14,430**	**75,593**	**181,850**	**24,125**	**10,438**	**18,272**

1/ Excluding cottage cheese.
2/ Includes both hard and soft ice cream.

HONEY:

Production and Value 1/

Year 2/	Production	Yield Per Colony	Price Per Pound	Value of Production	Number Colonies
	-thous. lb.-	-lbs.-	-cents-	-thous. dol.-	-thous.-
1986	1,590	53	46	731	30
1987	1,950	65	48	936	30
1988	**2,400**	**80**	**59**	**1,416**	**30**

1/ For producers with more than five colonies.
2/ Estimates reinstated in 1986.

HOGS AND PIGS:

Total Inventory, Breeding And Market Numbers, Market Numbers by Weight Groups, Quarterly, Missouri, 1984-88

Year	Total Number	For Breeding	Total Market	Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. & Over
			-thousand head-				
			March 1				
1984	3,250	510	2,740	1,020	675	594	451
1985	3,000	450	2,550	975	640	535	400
1986	2,800	410	2,390	920	580	530	360
1987	2,750	440	2,310	925	570	465	350
1988	**2,900**	**455**	**2,445**	**1,035**	**570**	**475**	**365**
			June 1				
1984	3,450	520	2,930	1,470	635	460	365
1985	3,050	475	2,575	1,295	565	375	340
1986	2,900	400	2,500	1,215	580	380	325
1987	3,000	450	2,550	1,325	540	360	325
1988	**3,000**	**450**	**2,550**	**1,270**	**565**	**380**	**335**
			September 1				
1984	3,400	520	2,880	1,267	679	552	382
1985	3,100	475	2,625	1,150	640	465	370
1986	2,750	370	2,380	970	605	435	370
1987	3,000	425	2,575	1,045	635	510	385
1988	**3,150**	**435**	**2,715**	**1,125**	**660**	**520**	**410**
			December 1				
1984	3,450	470	2,980	1,273	730	554	423
1985	3,050	430	2,620	1,130	660	470	360
1986	2,900	405	2,495	1,030	600	475	390
1987	3,000	435	2,565	1,060	620	485	400
1988	**2,850**	**410**	**2,440**	**895**	**585**	**535**	**425**

HOGS AND PIGS:

Percents of Operations and Inventory, By Size Groups, Missouri, 1984-88

Year	1-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
			-percent-			
1984	66.9	15.0	26.9	42.6	6.2	42.4
1985	65.2	14.8	28.7	44.7	6.1	40.5
1986	63.2	12.1	30.0	43.1	6.8	44.8
1987	63.9	12.0	28.9	39.0	7.2	49.0
1988	**63.0**	**11.3**	**29.4**	**39.7**	**7.6**	**49.0**

1988 HOG NUMBERS,

By Counties

TOP TEN COUNTIES

Lafayette	109,600 head
Pike	98,000 head
Nodaway	93,400 head
Osage	93,300 head
Shelby	87,400 head
Pettis	81,100 head
Saline	81,000 head
Monroe	79,500 head
Lincoln	76,000 head
Franklin	64,000 head

These to 10 counties represent 30.3% of the State's total hog numbers.

50,000 head and above
25,000-49,999 head
10,000-24,999 head
Under 10,000 head

HOGS AND PIGS:

Production and Income, Missouri, 1984-88

Year	Production	Marketings	Price per 100 Pounds	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		-dollars-		-thousand dollars-		
1984	1,297,710	1,311,781	47.40	625,213	632,061	5,013	637,074
1985	1,233,694	1,276,500	43.90	552,146	571,159	3,714	574,873
1986	1,109,867	1,115,039	49.20	555,888	558,670	3,542	562,212
1987	1,129,585	1,105,401	50.70	584,990	573,007	3,285	576,292
1988	**1,192,119**	**1,190,689**	**42.00**	**510,405**	**510,260**	**2,722**	**512,982**

Inventory, Pig Crop and Disposition, Missouri, 1984-88 1/

Year	On Hand December 1 Preceding Year	PIG CROP Dec-May	PIG CROP Jun-Nov	Inshipments	Marketings 2/	Farm Slaughter	Deaths
			-thousand head-				
1984	3,600	2,906	3,119	8	5,858	15	310
1985	3,450	2,708	2,801	8	5,683	12	222
1986	3,050	2,445	2,447	8	4,900	10	190
1987	2,850	2,588	2,607	8	4,830	9	214
1988	**3,000**	**2,714**	**2,487**	**12**	**5,100**	**9**	**254**

1/ Balance sheet estimates. Total of marketings, farm slaughter, deaths and on-hand end of year equals total of pig crop, inshipments and on-hand beginning of year. Disposition items for the 12-month period December preceding year through November of year shown.

2/ Excludes interfarm sales.

HOGS AND PIGS

ON FARMS, BY COUNTIES, MISSOURI, DECEMBER 1, 1987-88

COUNTY	1987	1988	1987 VALUE	1988 VALUE	COUNTY	1987	1988	1987 VALUE	1988 VALUE
	-head-		-thousand dollars-			-head-		-thousand dollars-	
ADAIR	13,000	11,900	916	736	LINN	39,100	36,800	2,757	2,337
ANDREW	35,200	33,200	2,482	2,108	LIVINGSTON	19,800	18,600	1,396	1,181
ATCHISON	22,500	20,800	1,586	1,321	MCDONALD	45,800	44,200	3,229	2,807
AUDRAIN	67,100	63,600	4,731	4,039	MACON	36,900	34,500	2,601	2,191
BARRY	10,000	9,700	705	616	MADISON	13,600	13,200	959	838
BARTON	15,100	14,600	1,065	927	MARIES	22,100	21,400	1,558	1,359
BATES	26,100	23,500	1,840	1,492	MARION	42,900	41,300	3,024	2,622
BENTON	13,900	13,400	980	851	MERCER	7,800	6,700	550	425
BOLLINGER	23,400	22,600	1,650	1,435	MILLER	44,100	43,900	3,109	2,788
BOONE	23,900	22,600	1,685	1,435	MISSISSIPPI	11,200	10,700	790	679
BUCHANAN	15,800	14,900	1,114	946	MONITEAU	42,200	40,900	2,975	2,597
BUTLER	5,500	5,000	388	318	MONROE	82,000	79,500	5,781	5,048
CALDWELL	25,100	23,700	1,769	1,505	MONTGOMERY	51,300	48,400	3,617	3,073
CALLAWAY	28,400	26,800	2,002	1,702	MORGAN	44,100	43,900	3,109	2,788
CAMDEN	2,500	2,400	176	152	NEW MADRID	4,000	3,800	282	241
CAPE GIRARDEAU	37,500	35,600	2,644	2,261	NEWTON	4,600	4,400	324	279
CARROLL	50,500	47,300	3,560	3,004	NODAWAY	96,800	93,400	6,824	5,931
CARTER	5,000	4,800	353	305	OREGON	22,300	21,500	1,572	1,365
CASS	25,200	22,700	1,777	1,441	OSAGE	95,100	93,300	6,705	5,925
CEDAR	11,100	10,000	783	635	OZARK	8,500	8,400	599	533
CHARITON	59,200	56,200	4,174	3,569	PEMISCOT	1,000	900	70	57
CHRISTIAN	2,300	2,100	162	133	PERRY	45,500	43,300	3,208	2,750
CLARK	30,800	29,700	2,171	1,886	PETTIS	83,800	81,100	5,908	5,150
CLAY	9,700	9,100	684	578	PHELPS	5,000	4,300	353	273
CLINTON	39,600	37,300	2,792	2,369	PIKE	101,800	98,000	7,177	6,223
COLE	23,300	22,600	1,643	1,435	PLATTE	13,600	12,900	959	819
COOPER	59,200	57,300	4,174	3,639	POLK	10,100	9,800	712	622
CRAWFORD	7,400	7,000	522	444	PULASKI	2,500	2,400	176	152
DADE	11,100	10,600	783	673	PUTNAM	9,600	9,000	677	571
DALLAS	4,400	3,700	310	235	RALLS	42,800	41,900	3,017	2,661
DAVIESS	22,900	20,800	1,614	1,321	RANDOLPH	17,400	16,000	1,227	1,016
DEKALB	31,200	29,000	2,200	1,842	RAY	24,600	23,200	1,734	1,473
DENT	6,700	6,500	472	413	REYNOLDS	5,300	5,100	374	324
DOUGLAS	3,400	3,300	240	209	RIPLEY	4,100	3,900	289	248
DUNKLIN	2,300	2,200	162	140	ST CHARLES	42,200	40,500	2,975	2,572
FRANKLIN	66,400	64,000	4,681	4,064	ST CLAIR	15,900	14,000	1,121	889
GASCONADE	25,800	24,600	1,819	1,562	STE GENEVIEVE	35,300	33,500	2,489	2,127
GENTRY	37,400	35,300	2,637	2,242	ST FRANCOIS	4,100	3,900	289	248
GREENE	5,000	4,600	352	292	ST LOUIS	800	800	56	51
GRUNDY	30,700	28,700	2,164	1,822	SALINE	83,800	81,100	5,908	5,150
HARRISON	28,600	26,600	2,016	1,689	SCHUYLER	9,300	8,700	656	552
HENRY	30,900	27,800	2,178	1,765	SCOTLAND	25,900	24,400	1,826	1,549
HICKORY	6,300	6,100	444	387	SCOTT	15,800	15,100	1,114	959
HOLT	22,000	20,700	1,551	1,314	SHANNON	4,200	4,100	296	260
HOWARD	28,400	26,900	2,002	1,708	SHELBY	89,600	87,400	6,317	5,550
HOWELL	19,500	18,900	1,375	1,200	STODDARD	17,700	16,700	1,248	1,060
IRON	600	600	42	38	STONE	1,700	1,500	120	95
JACKSON	5,700	4,900	402	311	SULLIVAN	16,700	15,600	1,177	991
JASPER	5,500	5,000	388	318	TANEY	1,700	1,600	120	102
JEFFERSON	3,300	3,100	233	197	TEXAS	4,700	4,200	331	267
JOHNSON	40,200	35,900	2,834	2,280	VERNON	24,000	21,600	1,692	1,372
KNOX	35,700	34,500	2,517	2,191	WARREN	42,200	40,200	2,975	2,553
LACLEDE	6,900	6,100	486	387	WASHINGTON	4,900	4,700	345	298
LAFAYETTE	120,900	109,600	8,523	6,960	WAYNE	7,100	6,900	501	438
LAWRENCE	8,900	8,300	627	527	WEBSTER	16,400	16,200	1,156	1,029
LEWIS	31,400	29,700	2,214	1,886	WORTH	15,000	14,100	1,057	895
LINCOLN	80,800	76,000	5,696	4,826	WRIGHT	8,500	8,200	599	521

DISTRICTS									
NORTHWEST	440,000	415,000	31,019	26,353	EAST CENTRAL	410,000	390,000	28,905	24,765
NORTH CENTRAL	310,000	290,000	21,855	18,415	SOUTHWEST	110,000	105,000	7,755	6,667
NORTHEAST	550,000	530,000	38,775	33,655	SOUTH CENTRAL	155,000	150,000	10,928	9,525
WEST CENTRAL	300,000	270,000	21,150	17,145	SOUTHEAST	95,000	90,000	6,698	5,715
CENTRAL	630,000	610,000	44,415	38,735					
					STATE	3,000,000	2,850,000	211,500	180,975

SPRING PIG CROP:

Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1984-88

Year	Sows Farrowed			Pigs Per Litter			Pig Crop		
	Dec 1/-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May
		-thousands-			-head-			-thousands-	
1984	170	225	395	7.10	7.55	7.36	1,207	1,699	2,906
1985	160	200	360	7.30	7.70	7.52	1,168	1,540	2,708
1986	140	180	320	7.50	7.75	7.64	1,050	1,395	2,445
1987	145	200	345	7.50	7.50	7.50	1,088	1,500	2,588
1988	**160**	**200**	**360**	**7.40**	**7.65**	**7.54**	**1,184**	**1,530**	**2,714**

1/ December preceding year.

FALL PIG CROP:

Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1984-88

Year	Sows Farrowed			Pigs Per Litter			Pig Crop		
	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov
		-thousands-			-head-			-thousands-	
1984	200	220	420	7.40	7.45	7.43	1,480	1,639	3,119
1985	175	200	375	7.55	7.40	7.47	1,321	1,480	2,801
1986	150	170	320	7.70	7.60	7.65	1,155	1,292	2,447
1987	165	185	350	7.50	7.40	7.45	1,238	1,369	2,607
1988	**175**	**160**	**335**	**7.40**	**7.45**	**7.42**	**1,295**	**1,192**	**2,487**

FEEDER PIGS SHIPPED OUT OF MISSOURI, By Months, 1984-88 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
						-number of head-							
1984	60,015	43,256	53,869	49,188	74,530	75,188	55,011	75,677	61,968	63,147	54,766	80,386	747,001
1985	82,966	48,000	47,054	54,330	77,107	73,647	70,783	45,356	36,809	51,770	40,291	59,007	687,120
1986	50,763	32,288	36,368	43,963	57,074	61,473	58,090	37,464	36,477	41,274	27,793	44,984	528,011
1987	45,242	25,806	43,463	43,992	50,324	50,803	40,061	41,991	36,496	33,443	28,488	48,001	489,130
1988	**38,160**	**36,402**	**39,852**	**36,941**	**45,662**	**57,537**	**46,840**	**42,972**	**44,906**	**33,238**	**44,985**	**51,241**	**518,736**

1/ Source:Missouri Department of Agriculture, Animal Health Division.

SHEEP AND LAMBS:

Number on Farms, by Classes and Lamb Crop, Missouri, January 1,1985-89

Year	All Sheep & Lambs	Sheep & Lambs on Feed	Stock Sheep: Lambs: Ewes	Stock Sheep: Lambs: Rams & Wethers	Stock Sheep: 1 Year & Older: Ewes	Stock Sheep: 1 Year & Older: Rams & Wethers	Stock Sheep: Total	Lamb Crop
	-thousand head-							
1985	123	16	11	3	89	4	107	105
1986	101	10	12	3	72	4	91	108
1987	110	8	13	5	80	4	102	100
1988	103	11	10	2	76	4	92	100
1989	**125**	**16**	**14**	**3**	**87**	**5**	**109**	**—**

SHEEP AND LAMBS:

Number on Farms and Value, by Districts, Missouri, January 1,1987-89

District	1987 Total: Number	1987 Total: Value	1988 Total: Number	1988 Total: Value	1989 Total: Number	1989 Total: Value
	-thous-	-thous dol-	-thous-	-thous dol-	-thous-	-thous dol-
Northwest	21.2	1,389	19.9	1,801	23.3	1701
North Central	31.4	2,056	29.1	2,634	34.0	2482
Northeast	21.0	1,376	19.7	1,783	23.2	1694
West Central	7.1	465	6.7	606	8.5	620
Central	13.8	904	12.9	1,168	15.5	1131
East Central	6.1	400	5.8	525	7.5	547
Southwest	4.4	288	4.2	380	6.2	453
South Central & Southeast	5.0	327	4.7	425	6.8	497
State	**110.0**	**7,205**	**103.0**	**9,322**	**125.0**	**9,125**

SHEEP AND LAMBS:

Production and Income, Missouri, 1984-88

Year	Production	Marketings	Price per 100 lbs.: Sheep	Price per 100 lbs.: Lambs	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		-dollars-		-thousand dollars-			
1984	9,051	9,492	16.00	57.50	4,846	5,043	144	5,187
1985	8,035	10,746	25.00	65.50	4,949	5,781	147	5,928
1986	8,000	7,465	30.50	68.00	5,190	4,924	153	5,077
1987	7,985	8,757	37.00	76.00	5,492	5,918	180	6,098
1988	**8,379**	**6,383**	**27.50**	**62.00**	**4,762**	**3,865**	**124**	**3,989**

WOOL:

Production and Value, Missouri, 1984-88

Year	Sheep Shorn	Weight per Fleece	Wool Produced	Season Average Price Per Pound	Value of Production
	-thous head-	-pounds-	-thous lbs-	-cents-	-thous dol-
1984	132	7.2	944	58	548
1985	102	7.0	711	43	306
1986	101	7.1	715	46	329
1987	118	7.0	830	57	473
1988	**115**	**6.8**	**777**	**74**	**575**

LAYERS ON FARMS:

Average Number, by Months, Missouri, 1984-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-thousands-						
1984	5,775	5,876	5,807	5,707	5,675	5,640	5,741	5,776	5,850	5,900	6,000	6,051
1985	5,826	5,576	5,526	5,535	5,498	5,468	5,466	5,565	5,731	5,900	6,000	5,950
1986	5,920	5,899	5,831	5,870	5,860	5,750	5,730	5,760	5,890	6,050	6,200	6,300
1987	6,300	6,320	6,240	6,060	5,975	6,095	6,220	6,210	6,250	6,500	6,900	7,000
1988	**6,735**	**6,610**	**6,415**	**6,140**	**6,000**	**5,825**	**5,725**	**5,700**	**5,775**	**5,900**	**5,925**	**5,910**

EGG PRODUCTION:

Eggs per 100 Layers, by Months, Missouri, 1984-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-number of eggs-						
1984	1,974	1,923	2,135	2,015	1,974	1,791	1,846	1,939	1,880	2,000	1,933	2,000
1985	1,957	1,775	2,009	2,005	2,092	1,993	1,994	1,977	1,954	2,051	1,983	1,916
1986	1,824	1,780	2,127	2,044	2,099	1,983	1,972	2,031	1,935	2,000	2,000	2,096
1987	2,079	1,883	2,131	2,096	2,092	1,936	1,994	2,029	1,984	2,015	1,957	1,971
1988	**2,094**	**1,997**	**2,167**	**2,150**	**2,200**	**2,129**	**2,114**	**1,982**	**1,939**	**2,085**	**2,008**	**1,980**

EGG PRODUCTION:

Number of Eggs Produced, by Months, Missouri, 1984-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-million eggs-						
1984	114	113	124	115	112	101	106	112	110	118	116	121
1985	114	99	111	111	115	109	109	110	112	121	119	114
1986	108	105	124	120	123	114	113	117	114	121	124	132
1987	131	119	133	127	125	118	124	126	124	131	135	138
1988	**141**	**132**	**139**	**132**	**132**	**124**	**121**	**113**	**112**	**123**	**119**	**117**

EGG-TYPE CHICKS:

Number Hatched at Commercial Hatcheries, by Months, Missouri, 1984-88

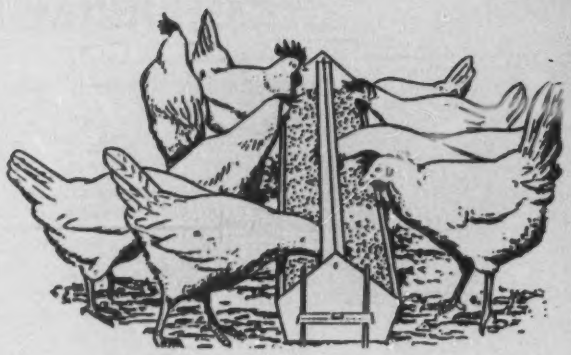
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
							-thousands-						
1984	716	1,034	1,797	1,769	1,544	1,392	1,090	858	513	594	647	585	12,539
1985	632	795	1,318	1,484	1,354	1,095	1,097	650	703	874	689	714	11,405
1986	655	722	1,528	1,815	1,448	1,056	1,236	1,987	980	727	672	650	12,576
1987	762	866	1,521	1,174	1,393	1,424	1,168	1,118	746	730	902	939	12,743
1988	**602**	**680**	**1,194**	**1,297**	**1,198**	**835**	**843**	**976**	**942**	**886**	**719**	**634**	**10,806**

EGGS:

Production and Value, Missouri, 1984-88 1/

Year	Eggs Produced	Price Per Dozen	Value of Production
	-millions-	-cents-	-thous. dol.-
1984	1,357	61.0	68,981
1985	1,351	43.0	48,411
1986	1,397	46.0	53,552
1987	1,525	39.6	50,325
1988	**1,526**	**36.5**	**46,416**

1/ Estimates cover the 12 month period, Dec. 1 previous year through Nov. 30.



CHICKENS:

Number on Farms, by Classes, Missouri, December 1, 1984-88

Year	All Chickens (Except Broilers)	Hens and Pullets of Laying Age: Hens 1 year & Older	Hens and Pullets of Laying Age: Pullets of Laying Age	Hens and Pullets of Laying Age: Total	Pullets Not of Laying Age: 3 Months Old or Older	Pullets Not of Laying Age: Under 3 Months Old	Other Chickens
		-thousand head-					
1984	7,700	2,400	3,700	6,100	530	1,000	70
1985	7,700	2,100	3,900	6,000	650	1,000	50
1986	8,000	2,700	3,600	6,300	750	870	80
1987	8,700	2,500	4,600	7,100	1,000	500	100
1988	**7,900**	**3,100**	**2,800**	**5,900**	**830**	**1,100**	**70**

CHICKENS:

Lost, Sold, and Value of Sales, Missouri, 1984-1988 1/

Year	Number Lost 2/	Number Sold	Pounds Sold	Price Per Pound	Value of Sales
	-thousand head-		-thous lbs-	-cents-	-thous dol-
1984	1,100	5,340	33,642	17.0	5,719
1985	1,100	5,000	32,000	13.0	4,160
1986	1,100	4,000	25,600	12.0	3,072
1987	1,100	5,000	30,000	13.0	3,900
1988	**1,050**	**5,500**	**30,250**	**13.0**	**3,933**

1/ Estimates cover the 12 month period, December 1 previous year through November 30 and excludes broilers.
2/ Includes deaths and other losses during the 12 month period.

TURKEYS:

Production and Value, Missouri, 1984-88

Year	Number Raised 1/	Pounds Produced 2/	Price Per Pound 3/	Value of Production
	-thous hd-	-thous lbs-	-cents-	-thous dol-
1984	12,000	225,600	46.0	103,776
1985	12,500	242,500	44.0	106,700
1986	13,500	260,550	45.0	117,248
1987	15,500	310,000	35.0	108,500
1988	**16,500**	**334,950**	**40.0**	**133,980**

1/ Based on turkeys placed Sept. 1 previous year through Aug. 31 current year. Excludes young turkeys lost.
2/ Includes home consumption.
3/ Live weight equivalent price.

COMMERCIAL LIVESTOCK SLAUGHTER:

Number of Head and Liveweight, By Species, by Month, Missouri, 1987-88

Cattle

Month	Number 1987	Number 1988	Average Liveweight 1987	Average Liveweight 1988	Total Liveweight 1987	Total Liveweight 1988
	-thous head-		-pounds-		-thous pounds-	
Jan	39.4	35.7	985	1,064	38,838	37,977
Feb	33.0	30.6	1,072	1,081	35,318	33,113
Mar	29.9	31.6	1,067	1,113	31,944	35,137
Apr	29.8	28.1	1,044	1,098	31,065	30,852
May	30.1	29.9	1,023	1,088	30,825	32,516
Jun	29.8	35.6	1,044	1,091	31,121	38,866
Jul	26.1	30.2	1,073	1,071	28,038	32,378
Aug	27.7	33.4	1,075	1,090	29,764	36,430
Sep	35.9	34.1	1,064	1,099	38,958	37,489
Oct	39.6	36.4	1,057	1,075	41,841	39,133
Nov	34.6	36.9	1,070	1,096	36,997	40,395
Dec	34.4	35.3	1,069	1,085	36,827	38,328
Total	**390.4**	**397.8**	**1,054**	**1,087**	**411,535**	**432,615**

Calves

Month	Number 1987	Number 1988	Average Liveweight 1987	Average Liveweight 1988	Total Liveweight 1987	Total Liveweight 1988
	-thous head-		-pounds-		-thous pounds-	
Jan	0.9	0.5	300	266	256	144
Feb	0.6	0.4	271	276	153	122
Mar	0.5	0.5	261	299	143	146
Apr	0.5	0.4	327	297	155	134
May	0.5	0.3	258	314	125	106
Jun	0.4	0.4	299	250	111	96
Jul	0.4	0.3	226	307	94	100
Aug	0.4	0.4	231	245	81	98
Sep	0.5	0.4	249	277	113	113
Oct	0.6	0.4	238	262	134	115
Nov	0.4	0.4	245	285	103	116
Dec	0.5	0.5	270	297	131	141
Total	**6.0**	**5.1**	**267**	**281**	**1,599**	**1,429**

Hogs

Month	Number 1987	Number 1988	Average Liveweight 1987	Average Liveweight 1988	Total Liveweight 1987	Total Liveweight 1988
	-thous head-		-pounds-		-thous pounds-	
Jan	316.2	324.3	257	245	81,416	79,472
Feb	268.8	311.6	254	244	68,278	76,084
Mar	339.2	371.4	250	244	84,786	90,526
Apr	330.0	341.1	250	247	82,362	84,157
May	309.1	324.7	249	247	77,104	80,289
Jun	283.4	306.9	246	244	69,637	74,769
Jul	294.3	299.9	242	243	71,099	72,828
Aug	295.1	324.8	236	242	69,737	78,757
Sep	331.9	349.5	241	247	79,860	86,162
Oct	390.9	361.7	246	251	96,131	90,668
Nov	348.6	372.2	250	253	87,011	94,133
Dec	366.9	326.5	247	253	90,770	82,581
Total	**3,874.2**	**4,014.8**	**247**	**247**	**958,189**	**990,445**

Sheep and Lambs

Month	Number 1987	Number 1988	Average Liveweight 1987	Average Liveweight 1988	Total Liveweight 1987	Total Liveweight 1988
	-thous head-		-pounds-		-thous pounds-	
Jan	1.6	0.8	104	108	162	90
Feb	1.0	0.8	103	107	103	84
Mar	1.0	1.3	111	118	111	155
Apr	1.2	0.7	109	108	128	80
May	0.9	0.8	104	104	97	87
Jun	1.2	1.0	104	110	122	110
Jul	1.2	1.6	110	104	129	163
Aug	1.3	2.3	104	111	131	254
Sep	1.2	2.1	109	104	136	219
Oct	1.2	1.2	106	109	125	132
Nov	0.9	1.2	105	113	92	138
Dec	1.2	1.2	107	110	128	128
Total	**13.7**	**15.1**	**107**	**109**	**1,462**	**1,641**

LIVESTOCK SLAUGHTER:

Number of Federally Inspected Plants and Head Slaughtered, Missouri, 1984-88

Year	Cattle Plants	Cattle Head Slaughtered	Hogs Plants	Hogs Head Slaughtered
	-number-	-thousands-	-number-	-thousands-
1984	121	489.1	110	3,356.4
1985	115	376.5	105	3,179.1
1986	111	419.9	104	3,580.1
1987	107	346.5	99	3,818.4
1988	**103**	**362.2**	**95**	**4,029.9**

LIVESTOCK SLAUGHTER:

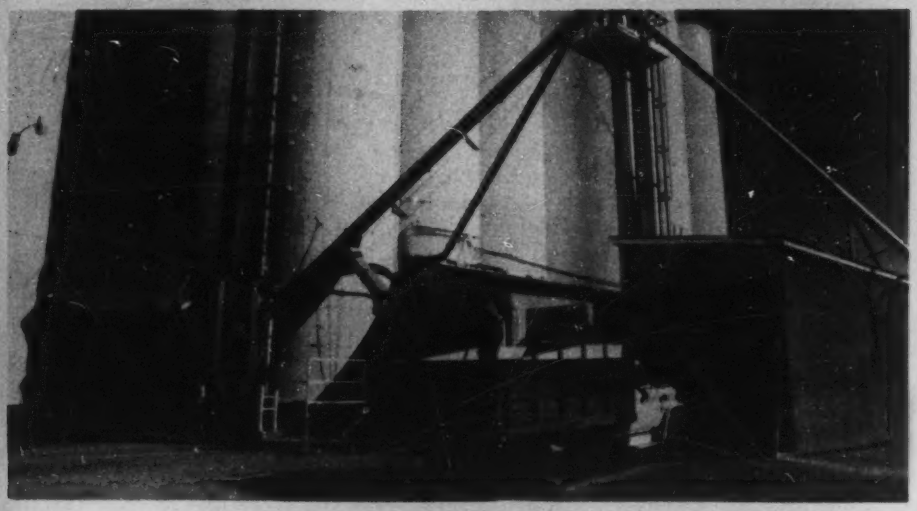
Type of Market Outlet 1/ Missouri, 1987 2/

	Direct Purchases	Terminal Markets	Auction Markets
	-percent-		
Cattle	47.7	19.0	33.3
Calves	5.0	16.2	78.8
Hogs	84.6	11.6	3.8
Sheep & Lambs	0.4	15.6	84.1

1/ Directs are purchases at packing plants, buying stations, country points, feedlots, etc. Terminals have more than one market agency selling on commission while auctions have only one.
2/ Location of the slaughter plants, but not necessarily the origin of the livestock.

Source: Packers and Stockyards Administration, USDA

FARM INCOME AND PRICES



by Nathan Crisp

CASH RECEIPTS: Missouri farm marketings totaled $3.65 billion in 1988, an increase of 3 percent from 1987 and the largest total since 1981. Crop receipts accounted for 40 percent of the total receipts or 1.45 billion, a decrease of 2 percent from last year. Livestock and livestock products totaled 2.2 billion, 6 percent above 1987.

LIVESTOCK PRICES: Marketing year average price for hogs decreased 17 percent to $42.00 per hundredweight in 1988. Hog prices peaked in May at $46.60 and declined to its lowest level in November at $35.80. Beef cattle prices fared better than 1987, up 12 percent to $68.60 per hundredweight. The market year price reached a low of $60.90 per hundredweight in June and rebounded to a high of $71.00 per hundredweight in October. Calf prices increased to $87.80, up 16 percent from 1987. Cows averaged $48.80 up from $44.10, with a peak price of $53.00 in April. Steer and heifer prices averaged $77.10 up 12 percent, with the highest price recorded in April at $79.80 and a low of $69.90 in June. Sheep prices retreated 26 percent to $27.50. Lambs were also down 18 percent to $62.00 per hundredweight. Milk prices averaged $12.20 per hundredweight, down 20 cents. All egg prices averaged 36.5 cents per dozen.

CROP PRICES: Prices were higher overall for most major crops in 1988. Corn prices were up 46 percent from $1.82 to $2.65 for the marketing year (Sept.-Aug.) average. During the calendar year the lowest price was in January at $1.73 per bushel. The highest price was reached in July at $2.81. Soybean prices increased 36 percent or $2.05 above the 1987 market year average to $7.75 per bushel. The peak price for the 1988 calendar year occurred in July at $8.57 and the low of $5.69 was at the beginning of the year. Winter wheat prices were up 36 percent from $2.53 to $3.45 per bushel. The calendar year high was recorded in December at $4.01 and the low of $2.80 occurred in May. Marketing year average price for Sorghum grain increased 57 percent to $2.35. Rye increased to $3.00 per bushel or 62 percent above 1987. All hay prices were up 33 percent to $78.00 per ton with the high for the year of $81.00 per ton in December and the low of $60.00 in April. Cotton prices decreased 22 percent in 1988 to 51.6 cents per pound. However, Cottonseed seed prices increased 55 percent to $110.00 per ton.

EXPORT VALUES: The value of Missouri agricultural exports totaled $1096.5 million in 1988, an increase of 23 percent above the previous year's total of 895.0 million. Soybeans and soybean products accounted for 51 percent of the total or $561.2 million, up 11 percent from 1987. Feed grains and products was the second leading export category with a total of $250.2 million, an increase of 31 percent. Missouri was the 10th largest export state in 1988. The leading export commodities for Missouri were: soybeans (5th leading state), Rice (6th), dairy products (8th), and feed grains (10th).

FARM FINANCE: The debt-to-asset ratio for all farms in Missouri for 1987 was 0.185 compared with 0.209 in 1986. The debt-to-asset ratio is considered a primary measure of whether a farm will have cash flow difficulties. It is computed by dividing the total of all debts by the total of all assets. As a general rule, farmers with debt-to-asset ratios of less than 40 do not have serious financial problems. Based on 1987 data, 7 percent of Missouri farms had a debt-to-asset ratio above 0.40.

PRICES RECEIVED:

Average Prices Received by Farmers For Principal Commodities, Missouri, 1984-88 1/

Commodity	1984	1985	1986	1987	1988
			-dollars-		
Sheep, cwt.	16.00	25.00	30.50	37.00	27.50
Lambs, cwt.	57.50	65.50	68.00	76.00	62.00
Wool, lb.	.58	.43	.46	.57	.74
Calves, cwt.	58.50	61.70	60.80	75.70	87.80
Beef Cattle, cwt.	53.50	52.00	50.80	61.40	68.60
Hogs, cwt.	47.40	43.90	49.20	50.70	42.00
Milk, Wholesale, All, cwt.	13.20	12.50	12.30	12.40	12.20
Eggs (all), doz.	.610	.430	.460	.396	.365
Turkeys, lb.	.460	.440	.450	.350	.400
Broilers, lb.	.340	.310	.345 2/	.300	.330
Soybeans, bu.	5.84	4.96	4.61	5.70	7.60
Corn, bu.	2.69	2.14	1.45	1.82	2.65
Wheat (winter), bu.	3.19	2.88	2.37	2.53	3.45
Grain Sorghum, cwt.	4.10	3.35	2.23	2.67	4.30
All Hay, ton	69.00	60.50	55.00	58.50	79.00
Cotton, lb.	.585	.575	.515	.660	.533
Cottonseed, ton	86.50	52.00	63.00	71.00	110.00
Oats, bu.	2.25	1.33	1.05	1.55	3.25
Tobacco, lb.	1.857	1.580	1.548	1.568	1.548
Rye, bu.	3.00	2.50	1.75	1.85	3.00
Rice, cwt.	8.70	7.05	3.57	7.41	6.70 2/

1/ Price is marketing year average price. Prices prior to 1986 include allowances for crops under loan valued at the loan rate.
2/ Price based on U.S. price.

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1984-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All Farm Products Index												
						1977 = 100						
1984	138	136	139	138	138	136	132	129	125	121	126	124
1985	124	125	139	123	119	118	118	112	109	112	114	112
1986	111	113	113	110	113	113	117	119	115	111	112	109
1987	111	114	116	118	120	122	123	124	124	120	121	122
1988	**127**	**129**	**128**	**130**	**132**	**136**	**142**	**144**	**141**	**143**	**139**	**141**
All Hogs												
						-dollars per cwt-						
1984	49.10	46.00	46.20	47.80	47.50	49.30	52.30	51.00	46.10	43.70	47.10	48.40
1985	47.70	48.40	43.30	40.90	41.40	44.50	45.60	42.20	39.80	43.00	43.40	45.30
1986	44.00	42.50	40.10	39.50	46.00	52.60	58.60	61.60	57.10	52.80	52.20	49.50
1987	46.40	47.56	47.20	50.90	54.10	58.60	59.30	58.80	53.50	48.40	40.30	40.20
1988	**43.00**	**45.70**	**42.10**	**41.60**	**46.60**	**46.30**	**43.50**	**44.00**	**40.10**	**38.10**	**35.80**	**39.30**
Barrows and Gilts												
						-dollars per cwt-						
1984	49.80	46.20	46.40	48.10	47.90	50.10	53.60	52.10	46.70	44.10	47.70	49.60
1985	48.50	48.70	43.40	40.90	41.70	45.50	46.90	43.00	40.30	43.80	43.90	46.60
1986	45.10	43.20	40.30	39.60	46.60	53.90	60.50	62.80	57.60	53.20	52.80	50.90
1987	46.90	48.30	47.80	51.40	55.00	60.90	61.30	60.40	54.10	48.80	40.90	41.20
1988	**44.50**	**47.30**	**43.20**	**42.30**	**47.50**	**48.00**	**45.40**	**45.60**	**41.30**	**38.90**	**36.70**	**40.60**

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1984-88 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Sows						
						-dollars per cwt-						
1984	44.60	44.40	44.60	45.60	43.90	42.60	44.40	43.70	41.90	40.10	41.80	40.10
1985	41.10	46.20	42.30	41.30	37.70	37.50	37.10	36.40	35.30	37.40	38.90	37.70
1986	37.70	38.40	38.30	38.80	41.50	45.70	50.00	54.90	54.30	49.60	47.80	42.10
1987	43.60	42.20	42.30	45.80	46.50	46.00	47.80	49.50	48.90	44.60	35.00	31.60
1988	**33.60**	**36.00**	**35.10**	**34.60**	**36.80**	**32.70**	**31.40**	**33.40**	**32.00**	**31.10**	**27.40**	**28.10**
						Beef Cattle						
						-dollars per cwt-						
1984	53.10	57.40	56.30	55.60	53.80	51.50	51.60	52.00	53.40	50.10	53.10	51.30
1985	51.90	55.20	54.70	56.40	52.60	50.20	48.10	49.10	48.90	51.00	52.20	47.50
1986	50.40	50.30	51.00	48.40	47.50	46.20	50.40	54.20	53.60	51.60	51.90	49.60
1987	54.60	58.00	59.60	60.70	58.80	59.30	61.00	63.60	66.20	64.00	66.80	63.50
1988	**69.90**	**70.10**	**70.00**	**70.80**	**68.70**	**60.90**	**65.30**	**68.90**	**67.90**	**71.00**	**69.60**	**68.70**
						Steers and Heifers						
						-dollars per cwt-						
1984	60.90	62.90	62.50	60.90	59.90	57.80	58.20	58.10	59.00	57.80	60.60	60.10
1985	61.60	63.80	61.00	61.20	58.90	56.70	52.80	54.30	54.00	56.50	57.40	55.40
1986	57.50	56.80	56.30	53.50	52.90	52.20	55.90	59.60	59.90	59.00	59.10	58.80
1987	61.50	64.90	65.50	67.90	68.00	68.80	68.70	71.20	73.60	72.20	73.70	71.60
1988	**76.80**	**79.10**	**79.00**	**79.80**	**77.80**	**69.90**	**72.90**	**77.10**	**75.40**	**79.00**	**78.90**	**78.60**
						Cows						
						-dollars per cwt-						
1984	37.30	40.60	40.60	40.10	39.60	39.40	38.60	36.80	34.30	35.10	33.20	33.10
1985	38.00	41.40	42.40	41.10	40.90	38.60	36.10	35.90	34.50	34.00	33.90	33.50
1986	34.50	38.80	39.00	35.90	36.60	37.30	36.70	36.80	39.00	37.50	34.90	36.50
1987	40.60	43.80	44.70	44.40	43.30	44.20	44.60	44.40	47.00	44.50	44.40	45.10
1988	**48.40**	**51.40**	**50.80**	**53.00**	**51.20**	**42.30**	**47.70**	**50.80**	**48.10**	**46.90**	**47.60**	**47.90**
						Calves						
						-dollars per cwt-						
1984	57.40	62.00	61.00	61.20	60.10	56.60	56.00	55.70	55.20	55.70	58.30	57.30
1985	61.50	64.60	65.50	67.10	65.60	61.10	57.20	59.80	58.20	58.20	59.50	56.00
1986	60.20	62.60	61.90	59.20	58.40	55.40	58.90	63.20	62.10	61.40	61.20	60.90
1987	65.20	69.80	72.00	74.90	74.30	73.80	77.50	81.90	82.60	78.40	80.10	80.00
1988	**85.90**	**88.90**	**90.60**	**91.90**	**89.30**	**77.40**	**83.30**	**91.20**	**88.80**	**89.50**	**86.00**	**86.00**
						Turkeys						
						-cents per pound-						
1984	42.0	40.0	40.0	41.0	41.0	41.0	43.0	46.0	48.0	54.0	59.0	62.0
1985	47.0	36.0	36.0	35.0	35.0	38.0	42.0	46.0	50.0	56.0	56.0	56.0
1986	33.0	34.0	36.0	38.0	41.0	47.0	51.0	52.0	52.0	53.0	51.0	39.0
1987	34.0	35.0	38.0	35.0	37.0	34.0	34.0	33.0	31.0	29.0	41.0	42.0
1988	**34.0**	**30.0**	**28.0**	**30.0**	**32.0**	**38.0**	**48.0**	**48.0**	**53.0**	**57.0**	**51.0**	**39.0**
						Market Eggs						
						-cents per dozen-						
1984	90.1	81.7	63.7	84.6	53.7	44.9	45.7	43.0	42.4	38.3	47.9	44.5
1985	31.3	32.3	40.5	36.4	32.9	38.9	36.1	44.1	48.7	50.2	53.7	50.0
1986	48.8	44.4	49.9	37.4	37.7	30.8	40.8	47.8	47.9	40.3	51.1	50.1
1987	40.3	40.3	37.7	39.3	31.0	30.3	33.2	30.5	47.5	30.8	38.3	28.6
1988	**31.8**	**26.8**	**32.4**	**26.7**	**27.0**	**28.9**	**40.1**	**42.7**	**47.2**	**41.4**	**40.0**	**42.6**

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1984-88 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Milk, Wholesale, All												
						-dollars per cwt-						
1984	13.70	13.20	13.10	12.80	12.50	12.70	12.70	12.80	13.30	13.70	14.00	14.00
1985	14.00	13.70	13.10	12.50	12.20	11.90	11.80	11.80	12.00	12.40	12.50	12.60
1986	12.40	12.30	12.00	11.70	11.80	11.70	11.80	12.00	12.40	12.90	13.30	13.40
1987	13.30	13.00	12.50	12.30	11.80	11.80	11.80	12.00	12.50	12.80	12.80	12.70
1988	**12.80**	**12.50**	**11.90**	**11.70**	**11.30**	**11.30**	**11.20**	**11.60**	**12.20**	**12.90**	**13.30**	**13.60**
Corn												
						-dollars per bushel-						
1984	3.31	3.25	3.33	3.53	3.56	3.63	3.53	3.37	2.83	2.66	2.61	2.58
1985	2.65	2.68	2.75	2.79	2.79	2.78	2.73	2.50	2.21	2.04	2.15	2.20
1986	2.21	2.25	2.30	2.36	2.38	2.37	1.96	1.59	1.35	1.29	1.38	1.43
1987	1.46	1.47	1.49	1.53	1.67	1.69	1.61	1.42	1.43	1.47	1.56	1.65
1988	**1.73**	**1.82**	**1.84**	**1.95**	**1.98**	**2.54**	**2.81**	**2.74**	**2.65**	**2.57**	**2.56**	**2.67**
Soybeans												
						-dollars per bushel-						
1984	7.75	7.17	7.64	7.79	8.18	8.06	6.95	6.48	5.96	5.94	6.02	5.79
1985	5.92	5.76	5.87	5.88	5.72	5.68	5.48	5.07	4.94	4.79	4.82	4.83
1986	4.99	5.10	5.19	5.10	5.26	5.16	5.09	4.94	4.75	4.46	4.48	4.48
1987	4.41	4.57	4.66	4.79	5.20	5.32	5.23	5.02	4.94	4.95	5.16	5.65
1988	**5.69**	**6.04**	**6.06**	**6.39**	**6.93**	**8.21**	**8.57**	**8.29**	**7.98**	**7.57**	**7.40**	**7.71**
Winter Wheat												
						-dollars per bushel-						
1984	3.35	3.35	3.37	3.54	3.38	3.23	3.09	3.31	3.29	3.28	3.42	3.40
1985	3.30	3.39	3.36	3.45	3.20	2.92	2.87	2.71	2.69	2.65	2.94	3.16
1986	3.11	3.08	3.19	3.35	3.20	2.34	2.22	2.32	2.24	2.54	2.59	2.49
1987	2.77	2.78	2.80	2.74	2.61	2.46	2.32	2.47	2.44	2.63	2.66	2.76
1988	**2.92**	**3.02**	**2.84**	**2.81**	**2.80**	**3.29**	**3.29**	**3.46**	**3.51**	**3.72**	**3.84**	**4.01**
All Hay												
						-dollars per ton-						
1984	72.00	74.00	76.00	76.00	72.00	69.00	66.00	69.00	69.00	69.00	70.00	71.00
1985	72.00	70.00	68.00	67.00	65.00	62.00	62.00	61.00	60.00	60.00	59.00	59.00
1986	60.00	60.00	59.00	58.00	56.00	55.00	52.00	55.00	55.00	54.00	54.00	55.00
1987	56.00	55.00	55.00	55.00	55.00	55.00	55.00	57.00	57.00	58.00	59.00	60.00
1988	**61.00**	**61.00**	**61.00**	**60.00**	**61.00**	**72.00**	**73.00**	**76.00**	**80.00**	**80.00**	**81.00**	**81.00**
Sorghum												
						-dollars per cwt-						
1984	5.28	5.16	5.27	5.53	5.43	5.65	5.40	4.86	4.14	3.91	3.91	4.03
1985	4.38	4.26	4.44	4.67	4.64	4.68	4.62	3.97	3.11	3.22	3.16	3.22
1986	3.28	3.72	3.79	3.73	4.32	3.86	3.32	2.44	2.25	1.98	2.01	1.97
1987	2.06	2.45	2.71	2.38	2.33	2.58	2.27	2.32	2.38	2.38	2.50	2.82
1988	**2.89**	**3.14**	**3.18**	**3.19**	**3.10**	**4.05**	**4.46**	**4.34**	**4.26**	**4.21**	**3.96**	**4.40**

PRICES PAID:

Average Prices Paid by Farmers for Selected Items, Specified Dates, Corn Belt, 1988 1/

Item	January	April	July	October
		-dollars-		
L.P. Gas, Bulk Del., per gallon	0.560	0.550	0.530	0.520
Diesel Fuel, Bulk Del., per gallon	0.750	0.760	0.740	0.680
Gasoline, Service Sta., unleaded, per gallon	0.880	0.890	0.930	0.910
Gasoline, Bulk Del., leaded, per gallon	0.890	0.920	0.950	0.920
Bran, per cwt	8.40	8.80	9.50	10.20
Middlings, per cwt	8.00	8.00	8.90	9.50
Cottonseed Meal, 41%, per cwt	14.20	14.20	16.90	16.30
Soybean Meal, 44%, per cwt	12.90	12.90	17.00	16.10
Corn Meal, per cwt	4.70	5.00	6.80	6.70
Hog Feed, 14-18%, per ton 2/	186.00	189.00	249.00	224.00
Hog Concentrate, 38-42%, per ton 2/	312.00	308.00	389.00	368.00
Beef Cattle Concentrate, 32-36%, per ton 2/	276.00	266.00	328.00	310.00
Dairy Feed, 14%, per ton	160.00	163.00	200.00	193.00
Dairy Feed, 16%, per ton	180.00	176.00	213.00	208.00
Dairy Concentrate, 32%, per ton	299.00	300.00	373.00	332.00
Chick Starter, per ton	225.00	234.00	299.00	272.00
Laying Feed, per ton	208.00	200.00	259.00	229.00
Broiler Grower, per ton	223.00	211.00	262.00	257.00
Turkey Grower, per ton	220.00	201.00	270.00	269.00
Molasses, per cwt	9.70	9.80	10.30	10.60
Stock salt, 50 lb. 2/	3.20	3.30	3.30	3.20

1/ IL, IN, IA, MO, and OH.
2/ Previously published in cwt.

FEEDER PIG PRICES PAID: Quarterly, Missouri, 1984-88

Year	February	May	August	November
		-dollars per cwt-		
1984	75.00	85.00	71.00	68.00
1985	71.00	79.00	64.00	68.00
1986	68.00	75.00	105.00	100.00
1987	100.00	96.00	94.00	79.00
1988	**90.00**	**95.00**	**60.00**	**58.00**

PRICES RECEIVED FOR MILK COWS MISSOURI, 1984-88 1/

Year	January	April	July	October
		-dollars/head-		
1984	770	810	810	800
1985	790	790	770	750
1986	750	770	760	810
1987	810	840	900	950
1988	**920**	**940**	**880**	**940**

1/ Milk cows sold for dairy herd replacement only.

MARKETING OF MAJOR CROPS:

Estimated Percent of Farm Sales, Monthly, Missouri, 1983-84 thru 1987-88

Marketing Year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
						-Corn-						
1983-84	11	15	11	10	13	9	7	5	5	5	6	3
1984-85	13	16	16	7	8	6	8	6	5	5	5	5
1985-86	10	20	15	15	12	3	3	4	5	3	4	6
1986-87	12	12	11	13	9	7	8	6	4	5	6	7
1987-88	**17**	**15**	**7**	**6**	**12**	**8**	**9**	**5**	**4**	**6**	**4**	**7**
						-Soybeans-						
1983-84	7	24	11	8	13	6	9	6	9	3	2	2
1984-85	3	7	30	11	9	6	9	7	4	5	4	5
1985-86	3	11	14	19	20	6	8	5	4	4	3	3
1986-87	4	10	17	13	19	9	8	7	4	3	3	3
1987-88	**7**	**32**	**9**	**5**	**15**	**8**	**7**	**5**	**4**	**3**	**3**	**2**
						-Sorghum-						
1983-84	25	19	18	6	8	4	9	3	2	2	2	2
1984-85	24	24	19	8	10	3	2	2	3	2	1	2
1985-86	8	24	18	15	10	5	6	3	7	1	1	2
1986-87	15	13	14	8	6	8	8	3	3	3	5	14
1987-88	**44**	**20**	**7**	**3**	**4**	**4**	**5**	**5**	**1**	**3**	**2**	**2**

Marketing Year	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
						-Wheat-						
1983-84	4	33	48	3	1	2	2	1	1	2	2	1
1984-85	10	5	1	18	6	3	2	2	2	1	1	22
1985-86	25	57	5	4	1	2	1	2	1	1	1	-
1986-87	59	16	5	3	2	1	3	4	1	3	2	1
1987-88	**58**	**8**	**7**	**4**	**2**	**5**	**4**	**6**	**2**	**3**	**1**	**-**

Marketing Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
						-All Hay-						
1983-84	3	16	9	2	4	2	3	6	15	13	19	8
1984-85	3	13	16	5	4	2	6	6	15	12	12	6
1985-86	4	22	8	7	6	3	3	13	9	13	10	2
1986-87	3	21	6	6	6	3	3	13	9	14	13	3
1987-88	**4**	**12**	**11**	**6**	**5**	**6**	**8**	**9**	**12**	**15**	**9**	**3**

COST OF PRODUCING CROPS: MISSOURI, 1988

	Soybeans	Corn	Sorghum	Wheat	Rice 3/	Cotton 1/
			dollars/planted acre			
Total cash receipts (excluding direct government payments)	153.28	174.66	111.45	108.54	260.96	586.12
Total cash expenses	82.48	136.09	88.28	77.98	262.35	305.75
Receipts less cash expenses 2/	70.80	38.57	23.17	30.56	-1.39	280.37

1/ 1987 figures.
2/ Total may not agree due to rounding.
3/ Figures are for N.E. Arkansas.

SOURCE: USDA, ERS

Missouri Agricultural Exports:

RANKING BY COMMODITY GROUP FISCAL YEAR 1988 1/

Commodity Group	United States	Missouri	Ranking
		-million dollars-	
Total	35,334.3	1,096.5	10th
Soybeans and products	6,915.5	561.2	5th
Rice	731.4	23.4	6th
Dairy products	535.5	13.6	8th
Feed grains and products	6,228.5	250.2	10th
Cottonseed and products	114.5	2.6	10th
Cotton and linters	2,150.1	47.8	11th
Seeds (excluding cottonseed)	414.5	9.9	13th
Tobacco (unmfd.)	1,296.0	2.8	14th
Wheat and products	4,673.8	59.9	16th
Live animals and meat (excluding poultry)	2,248.6	35.4	16th
Poultry and products	647.4	12.4	17th
Hides and skins	1,837.5	18.2	18th
Animal fats	544.6	5.8	18th

1/ Fiscal year, October 1-September 30

EXPORT VALUES OF AGRICULTURAL COMMODITIES: MISSOURI, 1984-88 1/

COMMODITY	1984	1985	1986	1987	1988
			-million dollars-		
Wheat and wheat products	172.1	136.9	84.8	26.9	59.9
Rice	28.0	18.8	19.4	16.5	23.4
Feed grains and grain products	232.0	254.6	192.1	190.4	250.2
Soybeans and soybean products	475.3	307.5	479.7	505.9	561.2
Cotton and linters	22.6	28.3	10.5	28.8	47.8
Cottonseed and cottonseed products	1.1	2.1	1.7	1.2	2.6
Tobacco	3.7	3.0	3.1	3.2	2.8
Dairy products	11.8	11.8	11.7	13.3	13.6
Poultry and products	9.0	8.2	9.1	10.3	12.4
Live animals and meat, excluding poultry	26.1	19.9	18.7	23.3	35.4
Fats, oils and greases	14.7	8.3	5.2	5.0	5.8
Hides and skins	24.7	16.1	14.4	17.8	18.2
Seed, excluding cottonseed	7.8	8.5	8.8	8.9	9.9
Feeds and fodders	9.3	10.7	14.1	18.1	22.1
Other (Miscellaneous)	20.5	18.4	22.6	25.4	31.2
Total Agricultural Exports	**1,058.7**	**853.1**	**895.9**	**895.0**	**1,096.5**

1/ Fiscal year, October 1- September 30

MISSOURI: Agricultural Landholdings of Foreign Owners, December 31, 1988

County	Parcels	Acres	Reported Value 1/	County	Parcels	Acres	Reported Value1/
	(number)	(number)	(1,000 dollars)		(number)	(number)	(1,000 dollars)
Adair	1	1,160	209	Howell	1	1,090	818
Andrew	1	140	167	Jackson	6	803	10,086
Atchison	4	1,006	1,086	Jasper	1	155	150
Audrain	4	787	1,200	Laclede	1	152	220
Barry	1	199	130	Lafayette	1	800	1,595
Bates	1	1,779	1,890	Lawrence	11	1,244	1,154
Buchanan	3	860	868	McDonald	4	2,497	1,167
Butler	1	7	4	Macon	3	3,758	731
Carroll	1	116	110	Mississippi	7	1,943	1,265
Carter	1	198	100	Montgomery	1	160	122
Cass	1	840	860	New Madrid	3	1,160	1,520
Clay	3	1,029	1,588	Newton	1	180	130
Clinton	2	3,138	4,343	Osage	1	200	375
Cooper	2	1,280	1,390	Pike	3	3,606	1,790
Crawford	1	1,311	82	Platte	3	421	546
Dallas	1	30	7	Pulaski	3	455	234
Daviess	2	1,642	2,022	Putnam	1	880	1,034
Dent	1	77	13	Ralls	3	614	69
Franklin	1	1,188	512	Ray	1	385	768
Gasconade	1	21	1	St. Louis	4	155	839
Gentry	2	512	265	Stoddard	6	5,181	7,077
Greene	2	120	120	Sullivan	1	1,950	520
Grundy	5	2,645	4,202	Taney	7	6,451	1,318
Harrison	5	2,681	964	Warren	1	63	320
Holt	2	525	81				
Howard	5	1,580	2,259	**Total**	**128**	**59,173**	**58,321**

1/ Reported value is purchase price or nonpurchase price (estimated value) at time of acquisition.

SOURCE: United States Department of Agriculture; Economic Research Service, Resources and Technology Division.

FARMS: Number of Farms, Land in Farms and Average Size of Farm, Missouri and United States, June 1, 1984-88

Year	Missouri Number of Farms	Missouri Land in Farms	Missouri Avg. Size of Farm	United States Number of Farms	United States Land in Farms	United States Avg. Size of Farm
	-thous-	-thous ac-	-acres-	-thous-	-thous ac-	-acres-
1984	117	31,000	265	2,328	1,019,378	438
1985	115	30,800	268	2,275	1,014,383	446
1986	115	30,700	267	2,212	1,007,643	456
1987	114	30,600	268	2,176	1,002,603	461
1988	**113**	**30,400**	**269**	**2,159**	**998,692**	**463**

FARM INCOME: Total, Gross, and Net Income from Farming, Missouri, 1983-87 1/

Item	1983	1984	1985	1986	1987
			-million dollars-		
Cash receipts and other farm income	3,923.2	3,846.1	3,847.6	3,669.6	3,849.8
Government payments to farmers	241.2	224.6	187.7	297.5	489.8
Non-cash income	532.1	523.1	413.1	379.2	351.6
Total gross farm income	**4,696.5**	**4,593.8**	**4,448.4**	**4,346.3**	**4,691.2**
Farm production expenses	4,225.8	4,161.7	3,930.7	3,497.3	3,481.6
Realized net farm income	**470.7**	**437.4**	**528.3**	**849.0**	**1,209.6**
Net change in farm inventories	-518.3	46.5	245.4	-91.8	-214.7
Total net farm income	**-47.6**	**478.6**	**763.1**	**757.3**	**994.8**

1/ Revised data for 1983-86, preliminary for 1987.

MISSOURI FARM BALANCE SHEET :

(Including operator households) December 31, 1983-87 1/

Item	1983	1984	1985	1986	1987
			-million dollars-		
Physical Assets:					
Real estate	26,707	20,429	18,665	16,946	17,503
Non-real estate:					
Livestock and poultry	2,071	2,052	1,897	2,068	2,338
Machinery and motor vehicles	3,876	3,789	3,434	3,222	3,032
Crops stored on and off farms	745	890	961	888	828
Household equipment and furnishings	960	895	972	1,044	1,153
Financial Assets:					
Deposits and currency	775	851	911	1,108	1,188
U.S. savings bonds	230	237	256	306	338
Investments in cooperatives	865	923	886	913	925
Total Assets	**36,229**	**30,066**	**27,981**	**26,496**	**27,304**
Liabilities:					
Real estate debt	4,008	3,959	3,725	3,343	3,084
Non-real estate debt					
Excluding CCC loans	2,798	2,853	2,134	1,710	1,577
Commodity Credit Corporation loans	152	117	420	475	381
Total Liabilities	**6,958**	**6,929**	**6,279**	**5,529**	**5,043**
Proprietors' equities	29,272	23,137	21,702	20,967	22,261
Total liabilities and equity	**36,229**	**30,066**	**27,981**	**26,496**	**27,304**
Debt-to-asset ratio (percent)	19.2	23.0	22.4	20.9	18.5

1/ Revised data for 1983-86; preliminary data for 1987.

FARM PRODUCTION EXPENSES:

Total Farm Production Expenses, Missouri, 1983-87 1/

Item	1983	1984	1985	1986	1987
			-million dollars-		
Intermediate product expenses	2,187.8	2,075.4	1,950.7	1,743.9	1,785.5
Farm origin	859.7	753.1	682.6	605.3	612.3
Feed	724.1	604.2	535.2	468.7	471.9
Livestock	43.4	42.6	44.2	44.6	47.7
Seed	92.2	106.3	103.3	92.0	92.7
Manufactured inputs	690.1	693.3	666.1	557.8	551.7
Fertilizer and lime	268.9	264.8	249.4	220.2	212.0
Pesticides	126.2	144.9	151.7	136.3	139.4
Fuel and oil	246.0	234.2	215.8	157.0	145.6
Electricity	49.0	49.5	49.1	44.4	54.7
Other	638.0	629.0	601.9	580.7	621.6
Repair and maintenance	262.8	261.9	259.8	265.4	275.7
Other miscellaneous	375.2	367.1	342.2	315.3	345.9
Interest	719.4	709.0	601.5	546.1	496.9
Real estate	380.9	376.3	331.8	306.7	273.5
Non-real estate	338.5	332.7	269.7	239.4	223.4
Contract and hired labor expenses	153.5	152.7	154.2	155.2	169.1
Cash labor expenses	145.0	143.7	146.1	148.3	160.6
Perquisites	8.6	9.1	8.2	7.0	8.5
Net rent to nonfarm landlords	155.2	260.5	326.1	239.2	255.2
Capital consumption	893.0	858.0	799.6	717.4	676.7
Property taxes	116.9	105.9	98.7	95.4	98.2
Total production expenses	4,225.8	4,161.7	3,930.7	3,497.6	3,481.6

1/ Revised data for 1983-86, preliminary for 1987.

FARMLAND VALUES:

Missouri, 1982-89

	As of April 1					As of February 1		
	1982	1983	1984	1985	1986	1987	1988	1989
				-dollars-				
Average Value per Acre of Land and Buildings	945	856	856	659	606	552	572	606
				-million dollars-				
Total Value of Land and Buildings	29,484	26,707	26,536	20,297	18,613	16,882	17,389	18,342

CASH RENTS:

Missouri, 1985-89

	Rent per Acre					Ratio of Rent to Value				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
			-dollars-					-percent-		
Average Gross Cash Rent per Acre (total farm)	46.60	42.10	38.60	44.70	47.00	8.0	8.2	7.4	8.3	8.2
Average Gross Cash Rent per Acre (cropland only)	56.50	54.40	48.30	54.70	59.80	8.5	9.0	9.1	9.1	8.9
Average Gross Cash Rent per Acre (pasture only)	18.90	22.00	19.40	22.70	22.80	4.9	6.2	5.4	6.0	6.2

FARM REAL ESTATE DEBT:

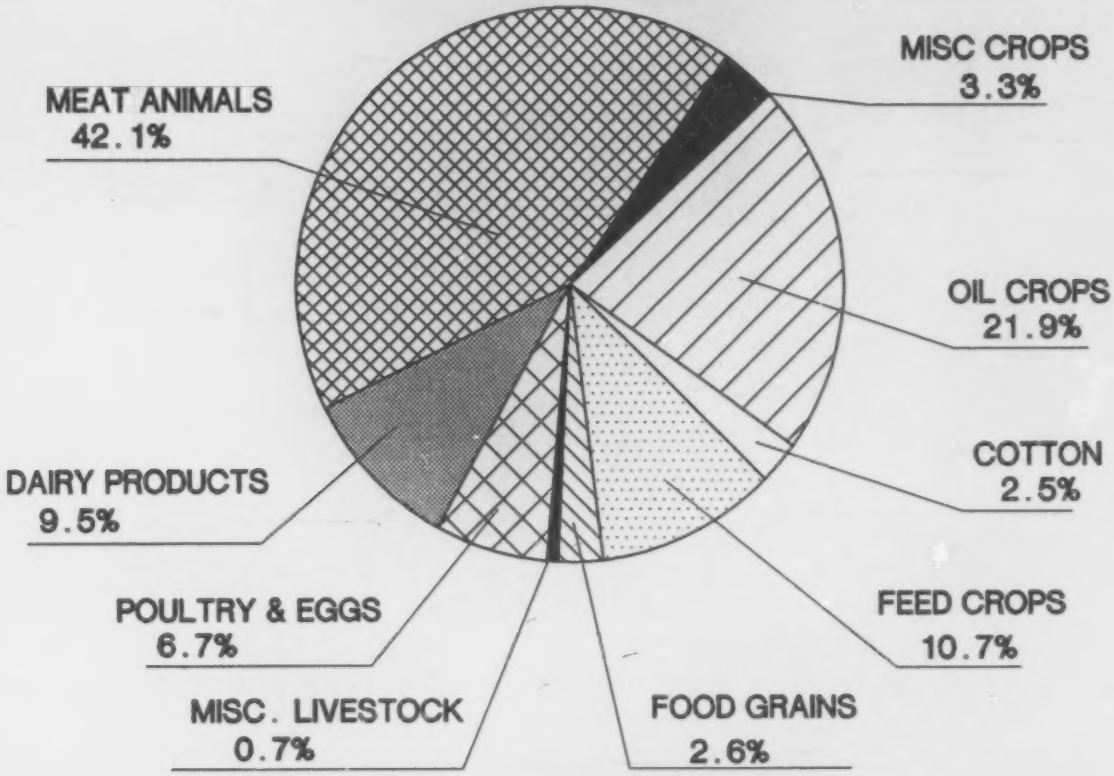
Amount Outstanding by Lender, Missouri,December 31, 1983-87 1/

Lender	1983	1984	1985	1986	1987
			-million dollars-		
Federal Land Banks	1,282	1,285	1,183	978	736
Farmers Home Administration	439	467	479	467	411
Life Insurance Companies	459	424	365	300	244
All Operating Banks	616	669	694	716	732
Individuals and others	1,183	1,095	996	879	688
CCC storage and drying loans	29	20	9	4	1
Total Farm Real Estate Debt 2/	**4,008**	**3,959**	**3,725**	**3,343**	**2,812**

1/ Revised data for 1982-1986.
2/ May not add due to rounding.

1987 CASH RECEIPTS

Commodity Breakdown



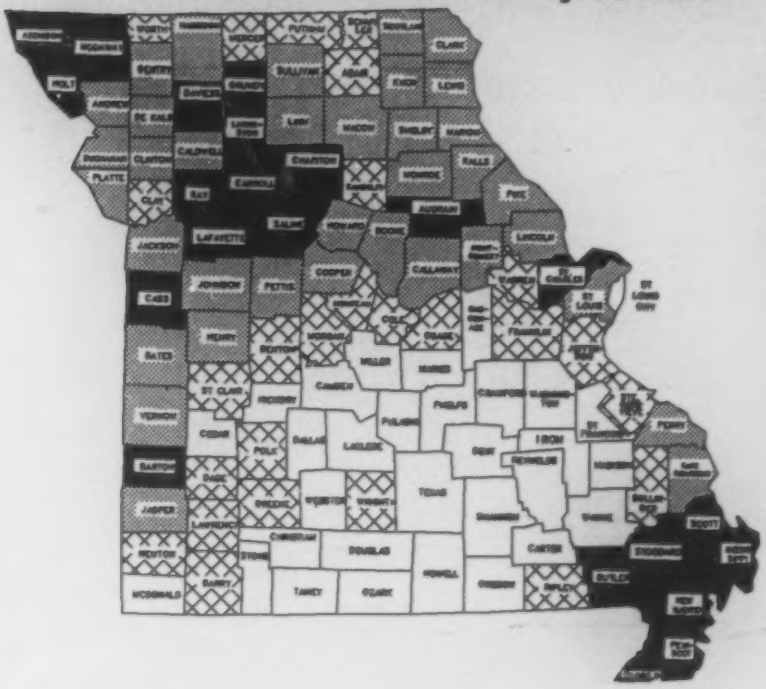
CASH RECEIPTS: Farm Receipts from Sales of Specified Crops and Livestock, Missouri, 1984-88 1/

Commodity	1984	1985	1986	1987	1988
			-thousand dollars-		
Livestock & Products	2,159,411	1,927,832	1,968,429	2,101,584	2,011,358
Meat Animals	1,550,065	1,330,779	1,336,575	1,476,599	1,353,524
Dairy Products	353,760	351,625	352,641	357,120	358,680
Poultry & Eggs	235,995	220,953	253,209	248,843	284,793
Miscellaneous Livestock	19,591	24,475	26,004	19,022	14,361
Crops	1,540,487	1,749,455	1,540,768	1,585,181	1,821,432
Food Grains	263,202	174,197	59,470	96,334	248,984
Feed Crops	408,817	674,066	519,223	398,150	438,862
Cotton	50,659	55,051	60,048	96,929	98,000
Tobacco	10,389	10,705	8,803	5,582	5,487
Oil Crops	725,777	741,861	797,112	869,358	912,184
Vegetables	7,476	9,013	9,766	11,761	11,069
Fruit/Nuts	11,367	12,219	13,173	14,547	24,334
All other crops	62,800	72,343	73,173	92,520	82,512
Total	**3,699,898**	**3,677,287**	**3,509,197**	**3,686,765**	**3,832,790**

1/Revised data for 1984-1987; preliminary data for 1988.

1987 CASH RECEIPTS, CROPS

By Counties



TOP TEN COUNTIES

Stoddard	$57,670,000
Dunklin	$57,666,000
New Madrid	$56,801,000
Pemiscot	$44,573,000
Saline	$44,503,000
Nodaway	$40,251,000
Audrain	$39,971,000
Chariton	$37,225,000
Atchison	$35,510,000
Mississippi	$34,515,000

These top 10 counties represent 24.6% of the State's total cash receipts for crops.

$30,000,000 and Above

$10,000,000-$19,999,999

$2,500,000-$9,999,999

Under $2,500,000

1987 CASH RECEIPTS, LIVESTOCK

By Counties

TOP TEN COUNTIES

McDonald	$63,664,000
Lawrence	$56,798,000
Newton	$50,940,000
Howell	$49,313,000
Barry	$47,900,000
Nodaway	$47,107,000
Wright	$45,451,000
Polk	$44,308,000
Lafayette	$44,061,000
Osage	$43,299,000

These top 10 counties represent 24.5% of the State's total cash receipts for livestock.

$30,000,000 and above

$20,000,000-$29,999,999

$10,000,000-$19,999,999

Under $10,000,000

REQUEST FORM FOR REPORTS

To receive any of the reports listed below, please check the boxes and return this form to the Missouri Agricultural Statistics Office, P.O. Box L, Columbia, Missouri 65205.

1989 ANNUAL CROP SUMMARY -

☐ A summary of the final crop acreage and production for the 1989 crop season. To be released in February 1990.

MISSOURI FARM FACTS -

☐ An annual summary of crop and livestock statistics for Missouri, including county estimates for livestock and major crops. Published each June.

COUNTY AGRI-FACTS -

☐ for _____ (your county). A four-page summary that includes a short history of your county, crop and livestock production, population, fertilizer use, farm expenses, etc. Some data series begin as early as 1850. Reissued in Spring of 1988.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

To help us in classifying our subscribers, please check one of the following that best describes your occupation:

Farm Operator _____ Landlord only _____ Agri-business _____ Education _____ Other _____ (specify)

If you are interested in receiving a subscription form for the weekly CROP AND WEATHER REPORT or the twice monthly CROP AND LIVESTOCK REPORTER ..... PLEASE CHECK HERE : _____

MARKETING YEAR AVERAGE PRICES

Marketing year average prices received by Missouri farmers are based on monthly prices weighted by monthly marketings during specific periods. These periods, by crop are shown below. Marketing year average prices do not include allowances or adjustments for commodities under government loan at the end of the marketing year, commodities forfeited to the Commodity Credit Corporation, crop deficiency payments, of disaster payments.

CROP	MARKETING YEAR
Wheat, Oats, Rye	June thru following May
Cotton, Rice	August thru following July
Corn, Grain, Sorghum, Soybeans	September thru following August
Hay	May thru following April

REPORTS ISSUED BY THE MISSOURI AGRICULTURAL STATISTICS SERVICE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Field Crops*												
Corn	A,P		A				A	A,P	A,P	A,P	A,P	
Soybeans	A,P		A				A	A,P	A,P	A,P	A,P	
Winter Wheat	A,P				A,P	A,P	A,P	A,P		A,P		
Sorghum	A,P		A				A	A,P	A,P	A,P	A,P	
Cotton	A,P		A		A,P		A	A,P	A,P	A,P	A,P	A,P
Rice	A,P		A				A	A,P	A,P	A,P	A,P	
Hay	A,P		A				A	A,P		A,P		
Oats	A,P		A				A,P	A,P		A,P		
Stocks												
Grain	X		X			X			X			
Hay	X				X							
Fruits												
Apples							X	X		X		
Peaches						X	X	X				
Grapes								X	X	X		
Livestock, Dairy, and Poultry												
Milk Production	X	X	X	X	X	X	X	X	X	X	X	X
Manufactured Dairy Products	X	X	X	X	X	X	X	X	X	X	X	X
Cattle Inventory & Calf Crop		X		X			X					
Hog Inventory & Pig Crop	X		X	X		X			X			
Sheep Inventory & Lamb Crop		X		X								
Livestock Slaughter	X	X	X	X	X	X	X	X	X	X	X	X
Cold Storage	X	X	X	X	X	X	X	X	X	X	X	X
Egg Production	X	X	X	X	X	X	X	X	X	X	X	X
Farm Prices and Income												
Prices Received	X	X	X	X	X	X	X	X	X	X	X	X
Prices Paid	X			X			X			X		
Miscellaneous												
Farm Numbers & Land in Farms								X				
Farm Employment & Wage Rates		X			X			X			X	
Floriculture				X								
Honey		X										
Mink							X					
Trout/Catfish		X					X		X			
CROP and WEATHER REPORT **	X	X	X	X	X	X	X	X	X	X	X	X

* A = Acreage; P = Production

** Issued weekly April thru November; monthly December thru March.